Water Resources Data
Georgia
Water Year 1984

394

ORIGINAL

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-84-1
Prepared in cooperation with the State of Georgia
and with other agencies

CALENDAR FOR WATER YEAR 1984

1983

OCTOBER

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U.S. DEPARTMENT OF THE INTERIOR March 3, 1849

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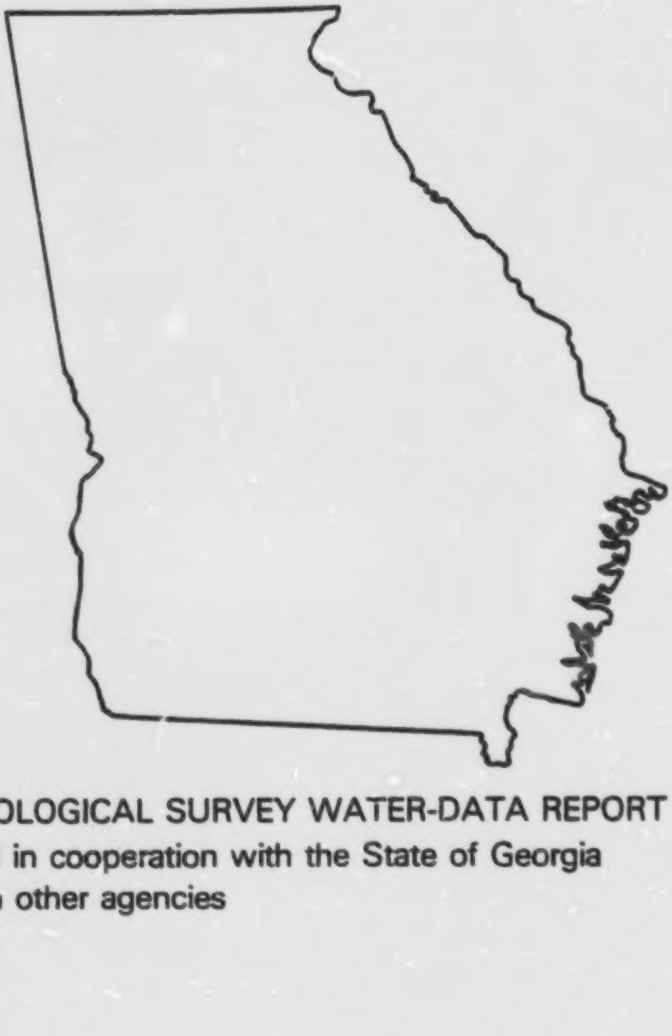
Water Resources Data Georgia

Water Year 1984

by W.R. Stokes, III, T.W. Hale, J.L. Pearman, and G.R. Buell



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-84-1
Prepared in cooperation with the State of Georgia
and with other agencies

I

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Georgia write to

District Chief, Water Resources Division
U.S. Geological Survey
6481 Peachtree Industrial Boulevard, Suite B
Doraville, Georgia 30360

1985

II

PREFACE

This volume of the annual hydrologic data report of Georgia is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Georgia are contained in 1 volume.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Prepared in cooperation with the State of Georgia and with other Federal agencies.

16. Abstract (Limit: 200 words)

Water resources data for the 1984 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records of 108 gaging stations; stage for 11 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 14 continuous stations, 109 periodic stations and miscellaneous sites; peak stage and discharge only for 130 crest-stage partial-record stations and 44 miscellaneous sites; and water levels of 27 observation wells. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

17. Document Analysis a. Descriptors

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[Letters after station names designate type of data: (d) discharge, (g) gage height, (c) chemical, (m) microbiological, (t) water temperature, (s) sediment]

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Well 331507084171801, Local number 11AA1 373

WAYNE COUNTY

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WORTH COUNTY

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INTRODUCTION

Water resources data for the 1984 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records for 108 gaging stations; stage for 11 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 14 continuous stations, 109 periodic stations and miscellaneous sites; peak stage and discharge only for 130 crest-stage partial-record stations and 44 miscellaneous sites; and water levels of 27 observation wells. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface-Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-84-1." These water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (404) 221-4858.

COOPERATION

The U.S. Geological Survey and organizations of the State of Georgia have had cooperative agreements for the systematic collection of streamflow records since 1896, and for water-quality records since 1937. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Georgia Department of Natural Resources, J. Leonard Ledbetter, Commissioner.
Georgia Department of Transportation, Thomas D. Moreland, Commissioner.

Assistance in the form of funds and/or services was given by the following Federal agencies:

Corps of Engineers, U.S. Army
Environmental Protection Agency
Federal Highway Administration, U.S. Department of Transportation
Tennessee Valley Authority
National Weather Service, NOAA, U.S. Department of Commerce

The following organizations aided in collecting records:

Georgia Power Company
Alabama Power Company
Crisp County Power Commission
Bibb County
Chatham County
Glynn County
Columbus
Albany Water, Gas and Light Commission
Clayton County Water Authority
Macon-Bibb County Water & Sewerage Authority
City of Brunswick
City of Covington
City of Valdosta

HYDROLOGIC CONDITIONS

Streamflow

Annual runoff for the water year was well above normal throughout the State except for central Georgia, where runoff was only slightly above normal. The ratio of the 1984 water-year runoff to long-term average runoff for unregulated streams having more than 5 years of streamflow record ranged from about 2.0 at Alapaha River at Statenville to 0.9 at Upatoi Creek near Columbus.

Monthly mean runoff in the northern part of the State was below normal in October, near normal in January, February, March, June, and September, and above normal for the remainder of the year. In the central part, monthly mean runoff was below normal in October, June, and September, near normal in November, January, and February, and above normal for the remainder of the year. In the southern part, monthly mean runoff was below normal in October, November, June, July, and September and above normal for the remainder of the year.

Significant flooding occurred in south Georgia during March. On March 5 and 6, rains totaling about 5.0 to 6.5 inches fell in south Georgia, producing peak flows of up to 50-year recurrence intervals on several streams. Another, more localized, rainfall occurred in the Valdosta vicinity on March 27 and 28, producing floods of up to 50-year recurrence intervals on streams in this area. The National Weather Service station in Valdosta reported a total of 10.0 inches of rainfall for the March 27-28 storm. Information on peak stages and flow for the March flooding was obtained at many discontinued streamflow and crest-stage stations and miscellaneous stream sites, and is tabulated in the "Peak discharge at miscellaneous sites" section of this report.

The only significant drought of the year occurred in the Ohoopee River and Canoochee River basins during early November, when minimum daily flows equivalent to 20-year recurrence intervals were experienced. In the remainder of the state, minimum daily flows for the year ranged from less than 2 to 8-year recurrence intervals, with the former being much more common than the latter.

Figure 1 shows monthly and yearly mean discharges for the 1984 water year at three representative long-term gaging stations and the median monthly and yearly discharges for the period 1951-80.

Water Quality

The chemical quality of surface water in Georgia during the 1984 water year was similar to that of previous years. This assessment is based upon a comparison of mean values of selected water-quality parameters sampled during the 1984 water year versus the mean values for the period of record. Fifteen water-quality sampling stations were selected for this comparison and the results are presented in table 1. The statistics presented in table 1 were calculated from water-quality data collected on a periodic basis. No continuous water-quality monitor data were used in the calculations.

Specific conductance, pH, alkalinity, and nutrient concentrations for the 1984 water year were comparable to period-of-record means. The low pH values for Satilla River at Atkinson and Suwannee River at Fargo are typical of streams draining swamps and bogs.

Trace metal concentrations measured in water samples collected at five NASQAN stations and one Hydrologic Bench-Mark station were less than the critical levels permitted for various beneficial uses.

Ground Water

Ground-water levels during the first half of the 1984 water year were from 18 feet lower to 7 feet higher than in 1983. During the second half of the water year, water levels were from 10 feet lower to 5 feet higher than in 1983.

Water levels in the Floridan aquifer system (formerly principal artesian aquifer) in the southwestern part of the State were from 2 to 5 feet higher than in the 1983 during the first half of the 1984 water year. During the second half of the water year, water levels were from 2 feet lower to 3 feet higher than in 1983.

Along the coast, water levels in the Floridan aquifer system at Savannah were from 1 to 18 feet lower than in the 1983 water year. In Brunswick, water levels were from about the same to 5 feet higher than in 1983 from October through March, and were from about the same to 3 feet lower from April through September.

In the south-central part of the State, water levels in the Floridan aquifer system at Valdosta were from 1 foot lower to 3 feet higher than in 1983.

In the southwestern part of the State, water levels in the Clayton aquifer at Albany were from 5 feet lower to 7 feet higher than in 1983 from October through March, and were from 8 feet lower to 5 feet higher from April through September.

Water levels in the crystalline rock aquifers of the Piedmont were from 1 to 3 feet higher than in 1983 during the first half of the 1984 water year. During the second half of the water year, water levels were from 1 foot lower to 2 feet higher than in 1983.

More information concerning water-level fluctuations in the State can be found in open-file reports entitled, "Ground-Water Data for Georgia, 1983", which includes calendar year 1983, and "Ground-Water Data for Georgia, 1984", which includes calendar year 1984.

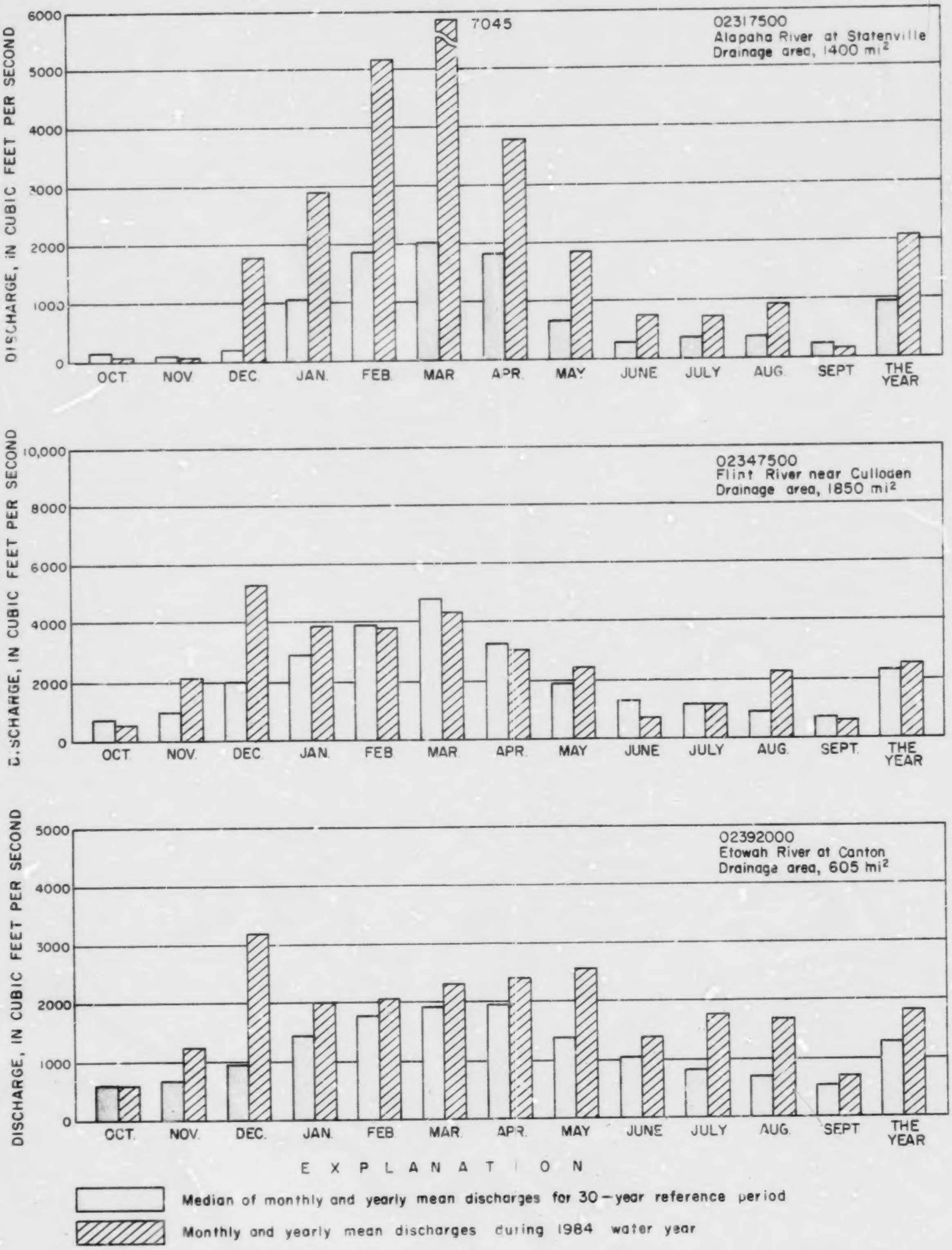


Figure 1.—Comparison of discharge at three representative long-term gaging stations during 1984 water year with median discharge for 30-year reference period.

Table 1.—Water-quality characteristics of Georgia surface water at selected periodic sampling stations

[N, number of samples; mean pH calculated from antilogarithms; d, analysis discontinued; na, analysis not part of the station schedule]

Stream and location	Downstream order number	Sample period (water) years)	pH (standard units)		Specific conductance (umhos)		Alkalinity (mg/L as $CaCO_3$)		Nitrogen, NO_2+NO_3 total (mg/L as N)		Phosphorus, total (mg/L as P)		Carbon, organic total (mg/L as C)	
			N	Mean	N	Mean	N	Mean	N	Mean	N	Mean	N	Mean
Chattooga River		1968-84	149	6.6	137	13	126	5.3	113	.03	112	.03	108	2.0
near Clayton	02177000	1984	12	6.9	12	14	12	5.6	12	.03	12	.03	12	1.8
Ogeechee River		1974-84	146	6.5	137	74	123	23	94	.10	111	.05	55	8.8
near Eden	02202500	1984	6	7.0	6	72	6	23	0	d	5	.06	0	d
Falling Creek		1968-84	173	6.7	172	116	157	50	77	.06	86	.09	30	3.6
near Juliette	02212600	1984	4	7.6	5	119	4	58	0	d	4	.02	0	d
North Oconee River		1974-84	113	6.9	113	54	101	20	113	.33	113	.05	110	2.9
at Athens	02217740	1984	12	6.9	12	54	12	19	12	.36	12	.06	12	3.6
Altamaha River		1974-84	155	6.7	157	116	143	27	135	.25	153	.07	124	8.6
near Everett City	02226160	1984	18	6.9	19	107	17	27	11	.24	17	.06	12	8.2
Satilla River		1968-84	158	4.8	150	55	137	4.1	115	.10	127	.09	89	19
at Atkinson	02228000	1984	8	5.1	8	55	8	4.1	4	.15	8	.11	4	22
Suwannee River		1968-84	148	4.1	134	54	82	1.2	109	.04	110	.04	106	37
at Fargo	02314500	1984	12	3.9	12	60	12	1.0	12	.03	12	.08	12	42
Withlacoochee River		1975-84	115	6.2	114	118	101	39	115	.30	115	.17	112	11
near Clyattsville	02318960	1984	12	6.5	12	109	12	40	12	.30	12	.15	12	9.7
Chattahoochee River		1968-84	289	6.5	321	79	133	19	307	.57	307	.45	286	5.9
near Fairburn	02337170	1984	12	6.9	12	74	12	17	12	.71	12	.33	12	5.7
Chattahoochee River at Andrew's L&D		1983-84	12	7.2	12	60	12	16		na	12	.04		na
near Columbia	02343801	1984	6	7.3	6	60	6	17		na	6	.03		na
Kinchafoonee Creek		1970-84	69	6.5	62	33	63	9.3	58	.15	59	.03	57	4.5
at Preston	02350600	1984	2	6.7	2	37	2	11	2	.15	2	.03	2	4.6
Flint River		1968-84	95	7.1	80	70	76	23	57	.27	57	.11	52	4.5
at Albany	02352500	1984	4	7.1	4	86	4	26	4	.35	4	.04	4	4.6
Flint River		1968-84	85	7.3	70	99	66	37	35	.37	46	.07	30	4.5
at Newton	02353000	1984	6	7.5	6	116	6	42	0	d	5	.06	0	d
Conasauga River		1974-84	117	7.4	116	101	104	45	115	.20	114	.05	112	3.2
near Dalton	02384748	1984	12	7.4	12	92	12	40	12	.19	12	.07	12	4.3
Conasauga River		1974-84	114	7.3	113	160	102	58	113	.49	113	.56	111	6.1
near Resaca	02387050	1984	12	7.3	12	136	12	51	12	.51	12	.66	12	6.8

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Alkalinity is the quantitative capacity of water to react with a strong acid to a designated pH. The designated pH for alkalinity values presented in this report is 4.5.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, other perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms per square in grams per square meter (g/m^3).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organisms which is counted by using a microscope and grid or counting cell. Many plankton organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic feet per second (FT^3/s, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 um membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCOD_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number. The first 2 digits represent the region, the second 2 digits represent the planning subregion, the third 2 digits represent the accounting unit, and the last 2 digits represent the cataloging unit, U.S. Geological Survey Circular 878-A explains the hydrologic unit system in detail.

Land-surface datum (lsd) is a reference elevation that is approximately at land surface at a well from which depth or height to water surface is measured.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification		
Clay...........	0.00024 - 0.004	Sedimentation
Silt...........	.004 - .062	Sedimentation
Sand...........	.062 - 2.0	Sedimentation or sieve
Gravel.........	2.0 - 64.0	Sieve

The particle-size distribution given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants, respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{-10}) radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic-food web. The zooplankton community is dominated by small crustaceans and rotifers.

Recoverable from bottom material is the amount of a given constituent in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensivity of precipitation.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentrations is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same stream with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent of the constituent present in the sample). To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable constituents are made either by analyzing portions of the material collected on the filter or, more commonly by difference, based on determination of (1) **dissolved** and (2) **total recoverable** concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determination of (1) **dissolved** and (2) **total** concentrations of the constituent.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each surface-water hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000."

NUMBERING SYSTEM FOR WELLS

Downstream order station numbers are not assigned to wells. The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and an unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for wells within a 1-second grid. In the event that several wells are within the same 1-second grid, a different sequential number, such as "01", "02", etc., is assigned to each well to insure an unique station number. See figure 2 below.

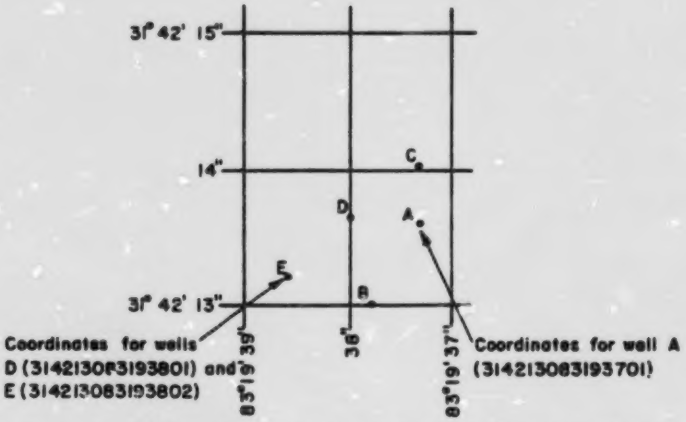

31° 42' 15"
14"
31° 42' 13"
C
D
A
E
B
83°19' 39"
38"
83°19' 37"
Coordinates for wells D (314213083193801) and E (314213083193802)
Coordinates for well A (314213083193701)

Figure 2.--System for numbering wells (latitude and longitude).

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data area also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes and reservoirs. In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curve are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the availible information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents from which daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior to subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the U.S. Army Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed

"REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are first given, the extremes for the period of record; second, information available outside the period of record; and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR." If they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream from which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."). or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large uncontributing areas or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations and miscellaneous sites follow the information for continuous-record stations. Data for partial-record discharge stations and miscellaneous sites are presented in four tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of discharge measurements made at miscellaneous sites, the third is a table of annual maximum stage and discharge at crest-stage stations, and the fourth is a table of peak stage and discharge at miscellaneous sites. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversion, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations such as observation of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentrations of solute at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, published records consist of daily maximum and minimum values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. Mean values and more detailed records (hourly values) may be obtained from the district office.

If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from appropriate computer file to insure the most recent updates.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, mean daily temperatures and/or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of data

Ground-water level data from a network of observation wells in Georgia are published herein. This basic network contains observations wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude as shown in figure 1, and (2) a local number that is provided for local needs.

Water-level measurements in this report are given in feet to either National Geodetic Vertical Datum of 1929 (NGVD), land-surface datum, or altitude. NGVD is a datum plane on which the national network of precise level lines have been tied; land-surface datum is approximated by less than precise levels; altitude of the land surface is the approximated elevation obtained from a topograhic map. The NGVD, land-surface datum, or altitude is given in the well description. The height of the measuring point above or below land surface is given in each well description. Wells for which water-level data are included in this report are equipped with continuous recorders and daily mean water levels are reported. Low- and high-water levels included at the bottom of tables are extremes for data in the table only.

Water levels are reported to an many significant figures as can be justified by the local conditions. Accordingly, most measurements are reported to a hundredth of a foot.

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charge can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Forty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revisions and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett Street, Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. Water temperature-influential factors, field measurement, and data presentation, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS—TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. Guidelines for collection and field analysis of ground-water samples for selected unstable constituents, by W. W. Wood: USGS—TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. Application of surface geophysics to ground-water investigations, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS—TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. Application of borehole geophysics to water-resources investigations, by W. S. Keys and L. M. McCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. General field and office procedures for indirect discharge measurements, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. Measurement of peak discharge by the slope-area method, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. Measurement of peak discharge at culverts by indirect methods, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. Measurement of peak discharge at width contractions by indirect methods, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. Measurement of peak discharge at dams by indirect methods, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. General procedure for gaging streams, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. Stage measurements at gaging stations, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. Discharge measurements at gaging stations, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. Measurement of time of travel and dispersion in streams by dye tracing, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A10. Discharge ratings at gaging stations, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. Measurement of discharge by moving-boat method, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. Fluorometric procedures for dye tracing, by James F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages.

3-A13. Computation of continuous records of streamflow, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. Use of flumes in measuring discharge, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. Computation of water-surface profiles in open channels, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-B1. Aquifer-test design, observation, and data analysis, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. Introduction to ground-water hydraulics, a programmed text for self-instruction, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. Type curves for selected problems of flow to wells in confined aquifers, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. Fluvial sediment concepts, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. Field methods for measurement of fluvial sediment, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. Computation of fluvial-sediment discharge, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. Some statistical tools in hydrology, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. Frequency curves, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. Low-flow investigations, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. Storage analyses for water supply, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. Regional analyses of streamflow characteristics, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. Computation of rate and volume of stream depletion by wells, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. Methods for determination of inorganic substances in water and fluvial sediments, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. Determination of minor elements in water by emission spectroscopy, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. Methods for analysis of organic substances in water, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 12 pages.

5-A4. Methods for collection and analysis of aquatic biological and microbiological samples, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. Methods for determination of radioactive substances in water and fluvial sediments, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-A6. Quality assurance practices for the chemical and biological analyses of water and fluvial sediments, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

5-C1. Laboratory theory and methods for sediment analysis, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. Finite difference model for aquifer simulation in two dimensions with results of numerical experiments, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

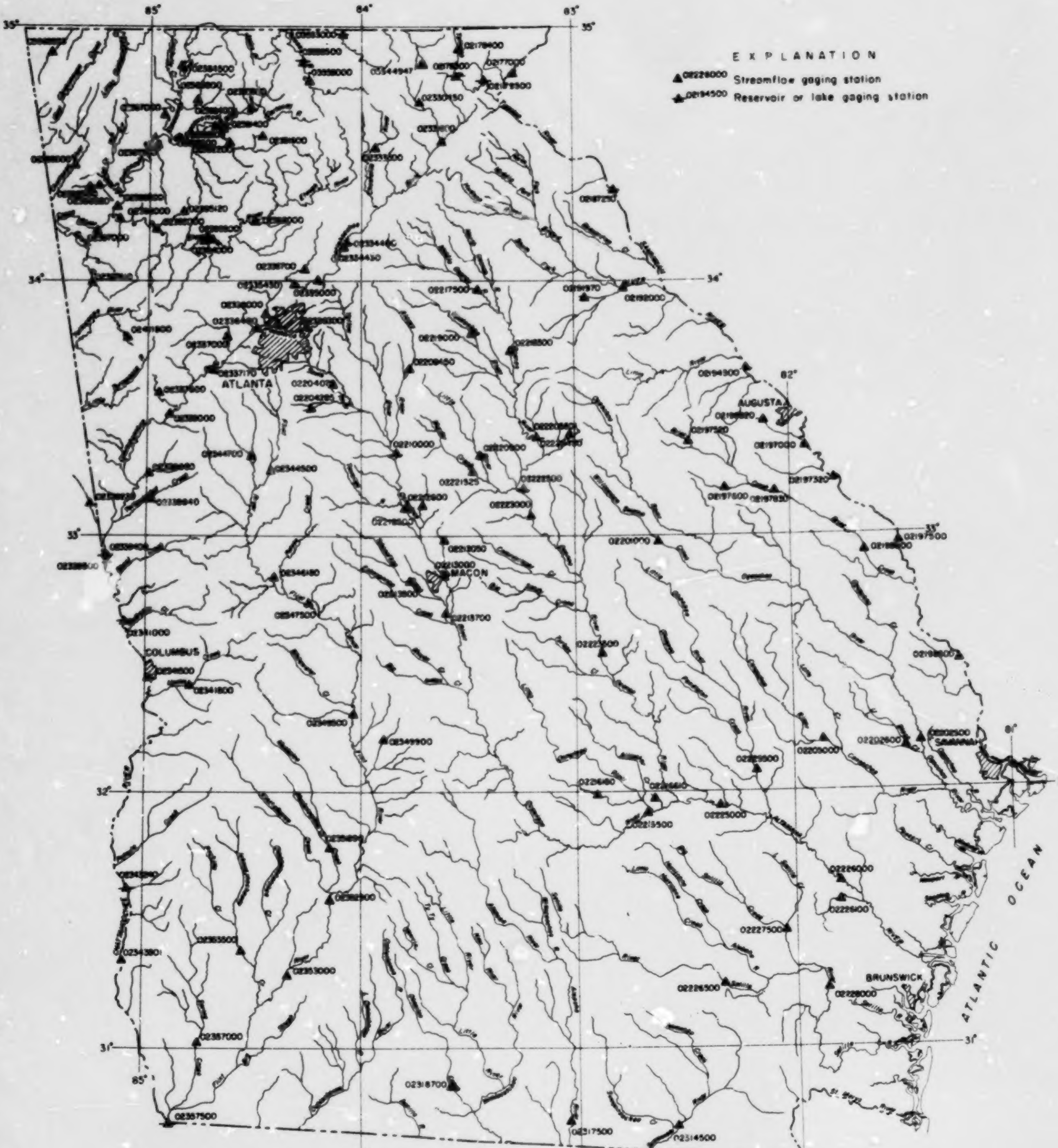
7-C2. Computer model of two-dimensional solute transport and dispersion in ground water, by L. F. Konikow and J. D. Bredehoeft: USGS-TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. A model for simulation of flow in singular and interconnected channels, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. Methods of measuring water levels in deep wells, by M. S. Garber and F. C. Koopman: USGS TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. Installation and service manual for U.S. Geological Survey manometers, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. Calibration and maintenance of vertical-axis type current meters, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.


EXPLANATION
▲02228000 Streamflow gaging station
▲02194500 Reservoir or lake gaging station
35°
85°
84°
83°
82°
81°
34°
33°
32°
31°
ATLANTA
AUGUSTA
MACON
COLUMBUS
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
02178400
02177000
02198500
02331000
02197250
02192000
02191970
02217500
02218500
02219000
02208450
02194300
02197500
02197000
02197320
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02226100
02227500
02226500
02228000
02353000
02357000
02343801
02357500
02317500
02314500
02318700
02228500
02231000
ATLANTA
02337170
02337000
02336490
02335450
02336000
02334430
02338000
02339500
02341000
02342500
02356000
02353500
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 3.—Location of gaging stations.

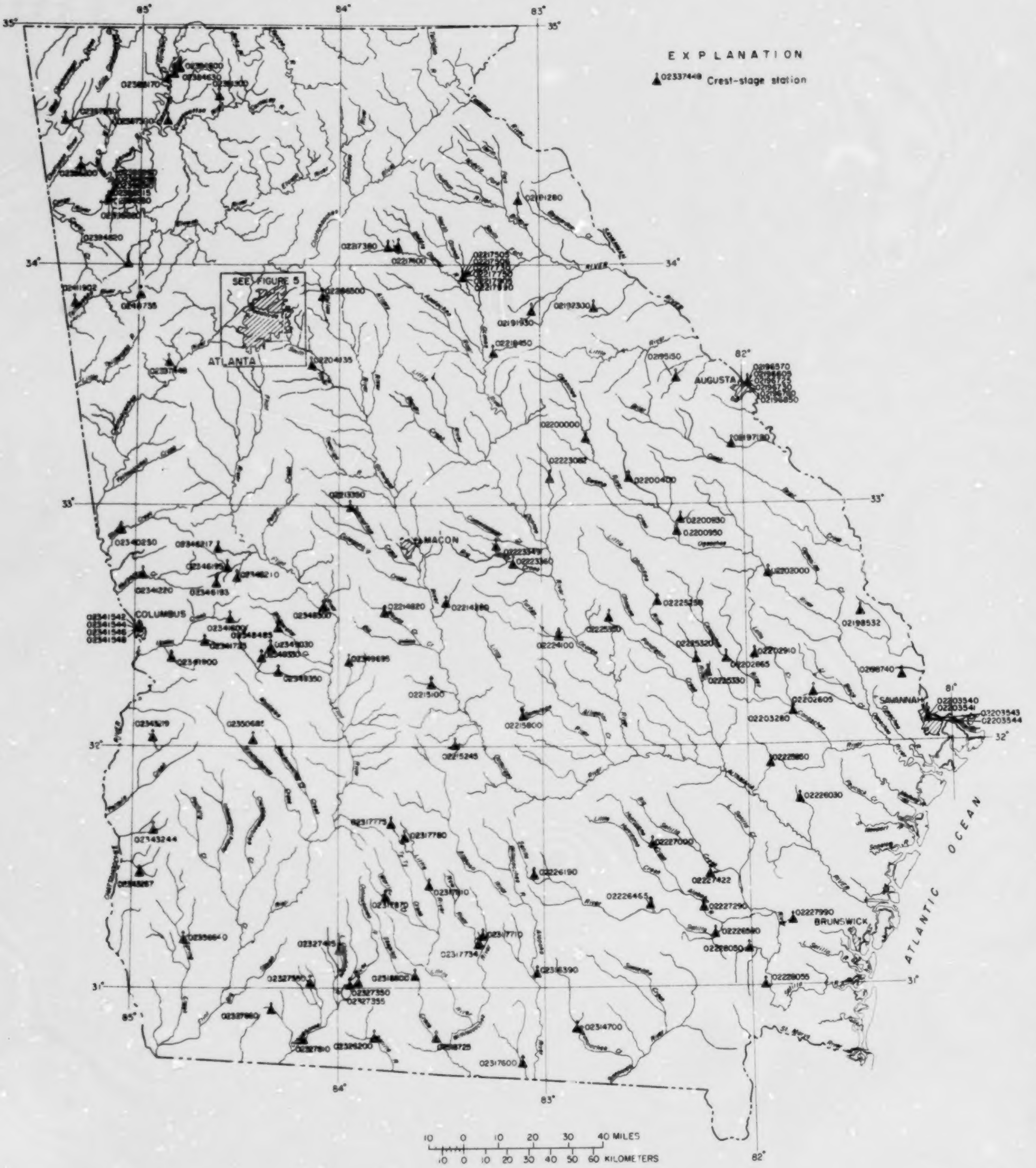
EXPLANATION
02337448 Crest-stage station
SEE FIGURE 5
ATLANTA
AUGUSTA
MACON
COLUMBUS
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
35°
34°
33°
32°
31°
85°
84°
83°
82°
81°
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 4.—Location of crest stage partial-record stations.

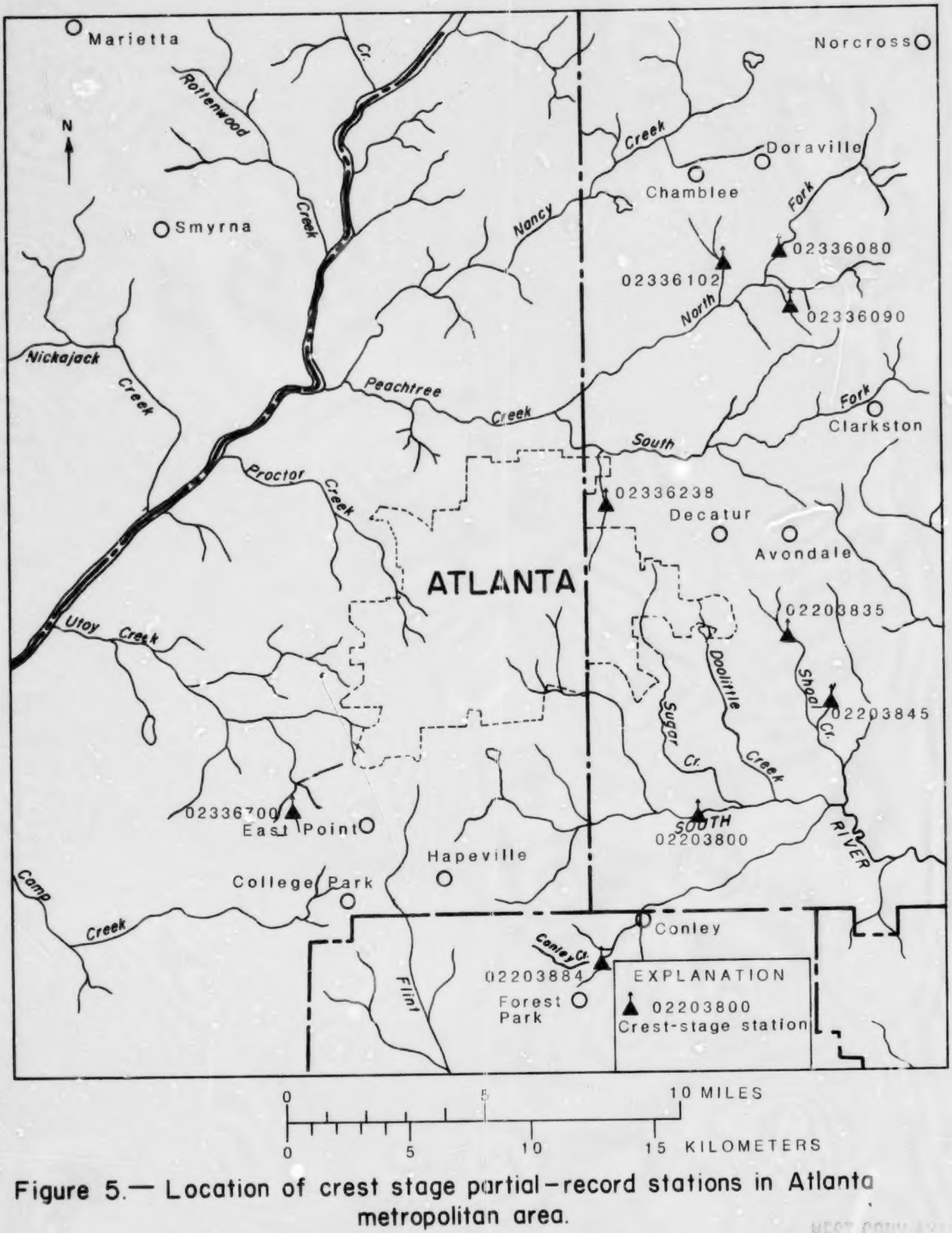
Marietta
Norcross
N
Rottenwood
Cr.
Creek
Doraville
Chamblee
Smyrna
Creek
Nancy
Fork
02336080
02336102
North
02336090
Nickajack
Creek
Peachtree
Creek
Fork
Clarkston
South
Proctor
Creek
02336238
Decatur
Avondale
ATLANTA
02203835
Utoy
Creek
Doolittle
Shoal
Cr.
Sugar
02203845
Cr.
Creek
02336700
East Point
SOUTH
02203800
RIVER
Hapeville
Camp
College Park
Creek
Conley
Conley Cr.
02203884
Forest Park
Flint
EXPLANATION
02203800
Crest-stage station
0
5
10 MILES
0
5
10
15 KILOMETERS

Figure 5.— Location of crest stage partial-record stations in Atlanta metropolitan area.

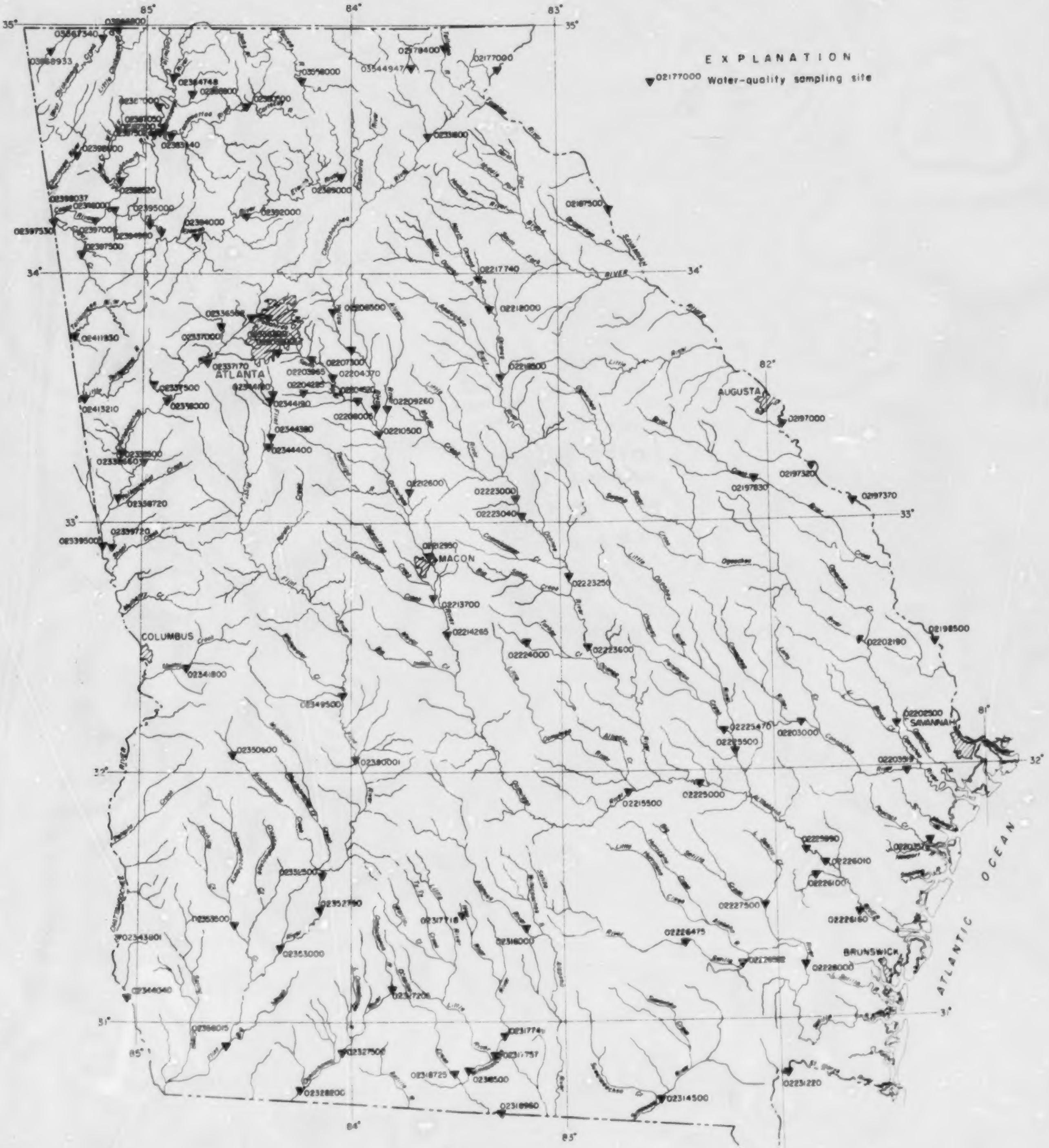
EXPLANATION
02177000 Water-quality sampling site
35°
85°
84°
83°
82°
81°
34°
33°
32°
31°
ATLANTA
AUGUSTA
MACON
COLUMBUS
SAVANNAH
BRUNSWICK
ATLANTIC OCEAN
02177000
02178400
03544947
03558000
03568933
03567340
02384748
02387000
02383540
02398000
02388520
02389000
02392000
02395000
02394000
02397530
02397000
02397500
02398037
02187500
02217740
02218000
02208500
02336300
02337000
02337170
02411930
02413210
02337500
02338000
02344180
02344380
02344400
02203865
02204285
02204370
02207300
02208000
02209260
02210500
02218500
02197000
02197320
02197830
02197370
02212600
02223000
02223040
02338500
02338660
02339720
02339500
02212950
02213700
02214265
02223250
02223600
02224000
02341800
02349500
02198500
02202190
02202500
02225470
02225500
02203000
02350600
02380001
02203519
02215500
02225000
02226010
02226100
02226160
02227500
02226475
02228000
02351500
02352560
02353500
02353000
02343801
02344040
02317718
02316000
02317200
02318700
02318015
02327500
02328200
02318725
02316500
02317757
02317740
02318960
02314500
02231220
02231000
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 6.—Location of surface-water-quality stations.

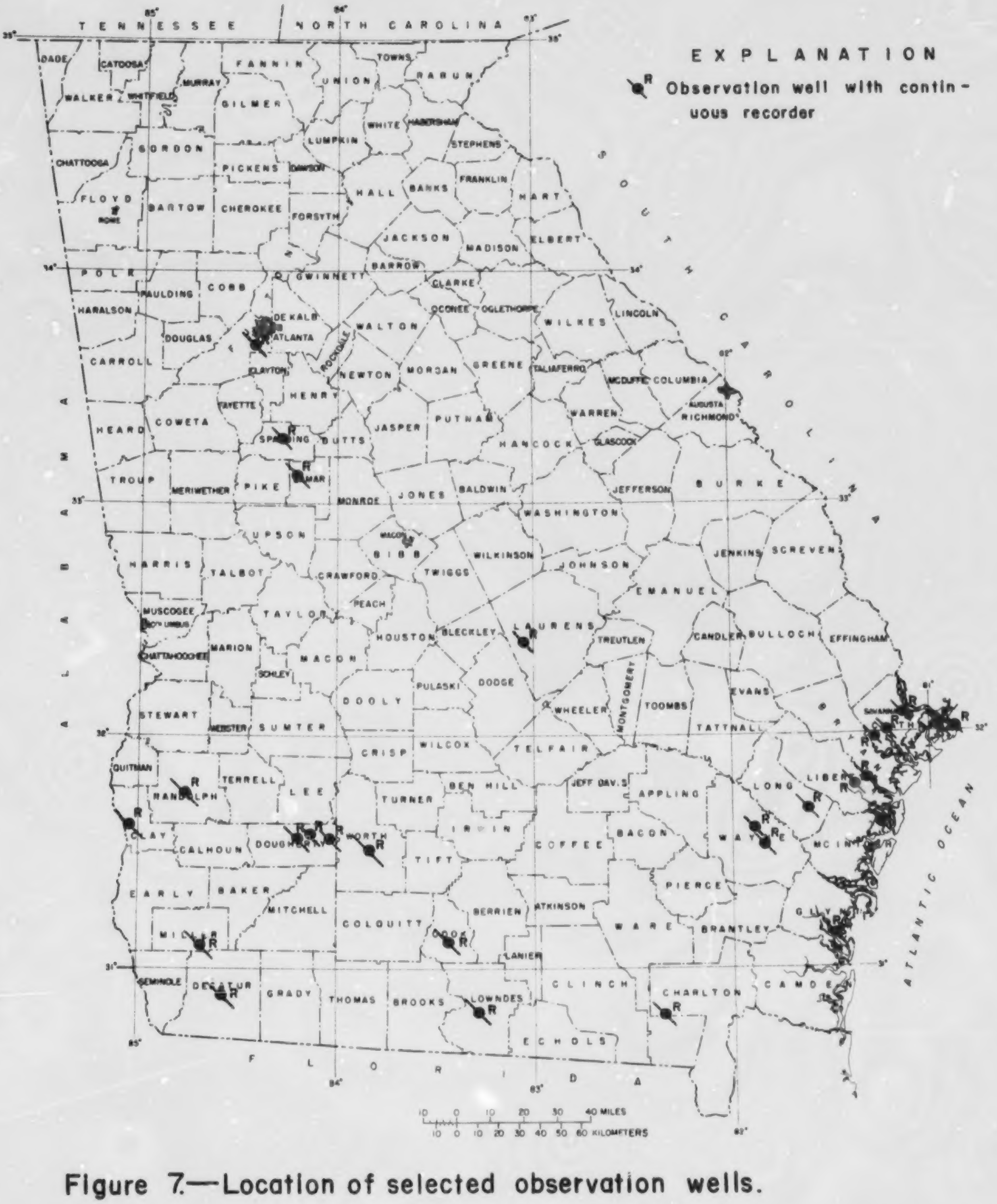
EXPLANATION
R Observation well with continuous recorder
TENNESSEE
NORTH CAROLINA
SOUTH CAROLINA
ALABAMA
FLORIDA
ATLANTIC OCEAN
35°
34°
33°
32°
31°
85°
84°
83°
82°
81°
DADE
CATOOSA
WALKER
WHITFIELD
MURRAY
FANNIN
UNION
TOWNS
RABUN
GILMER
WHITE
HABERSHAM
STEPHENS
LUMPKIN
CHATTOOGA
GORDON
PICKENS
DAWSON
FRANKLIN
HART
BANKS
HALL
FLOYD
ROME
BARTOW
CHEROKEE
FORSYTH
JACKSON
MADISON
ELBERT
POLK
BARROW
GWINNETT
CLARKE
PAULDING
COBB
HARALSON
OCONEE
OGLETHORPE
WILKES
LINCOLN
DE KALB
ATLANTA
DOUGLAS
WALTON
ROCKDALE
CARROLL
CLAYTON
NEWTON
MORGAN
GREENE
TALIAFERRO
MCDUFFIE
COLUMBIA
AUGUSTA
RICHMOND
FAYETTE
HENRY
HEARD
COWETA
JASPER
PUTNAM
WARREN
HANCOCK
GLASCOCK
SPALDING
BUTTS
TROUP
MERIWETHER
PIKE
LAMAR
MONROE
JONES
BALDWIN
JEFFERSON
BURKE
WASHINGTON
UPSON
MACON
BIBB
WILKINSON
JOHNSON
JENKINS
SCREVEN
HARRIS
TALBOT
CRAWFORD
TWIGGS
EMANUEL
MUSCOGEE
COLUMBUS
TAYLOR
PEACH
HOUSTON
BLECKLEY
LAURENS
TREUTLEN
CANDLER
BULLOCH
EFFINGHAM
CHATTAHOOCHEE
MARION
MACON
SCHLEY
PULASKI
DODGE
MONTGOMERY
TOOMBS
EVANS
STEWART
WEBSTER
SUMTER
DOOLY
WHEELER
TATTNALL
SAVANNAH
CHATHAM
BRYAN
QUITMAN
TERRELL
CRISP
WILCOX
TELFAIR
RANDOLPH
LEE
TURNER
BEN HILL
JEFF DAVIS
APPLING
LONG
LIBERTY
CLAY
CALHOUN
DOUGHERTY
WORTH
IRWIN
COFFEE
BACON
WAYNE
MCINTOSH
TIFT
EARLY
BAKER
MITCHELL
COLQUITT
BERRIEN
ATKINSON
PIERCE
GLYNN
MILLER
COOK
WARE
BRANTLEY
LANIER
SEMINOLE
DECATUR
GRADY
THOMAS
BROOKS
LOWNDES
CLINCH
CHARLTON
CAMDEN
ECHOLS
R
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 60 KILOMETERS

Figure 7.—Location of selected observation wells.

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SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabun County, Ga., Hydrologic Unit 03060102, on left bank 150 ft downstream from bridge on U.S. Highway 76, 2.8 mi upstream from Stekoa Creek, 7 mi southeast of Clayton, 9 mi downstream from War Woman Creek, and 9 mi upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1907 to June 1908, October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1383: 1940-41, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft, National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 664 ft^3/s, 43.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft^3/s Aug. 30, 1940, gage height, 13.8 ft, from rating curve extended above 4,700 ft^3/s on basis of slope-area measurements at gage heights 9.9 and 13.2 ft; minimum, 88 ft^3/s Oct. 8, 12, 13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	0730	4120	4.40	Feb. 13	1745	*4810	4.79
Dec. 12	0100	3430	3.99	Apr. 4	1915	3420	3.98

Minimum discharge, 190 ft^3/s Oct. 9-11, gage height, 1.06 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	246	712	805	676	1020	904	1080	685	535	1390	547
2	218	239	619	754	655	959	849	966	663	531	1170	507
3	213	232	967	721	655	907	900	1980	635	516	906	484
4	203	231	2880	689	661	863	1840	2090	615	477	752	465
5	232	228	1430	670	625	902	1910	1490	599	525	714	449
6	238	218	2030	645	608	946	1370	1310	584	702	797	432
7	210	214	1600	621	574	874	1160	1410	571	610	665	418
8	195	214	1200	594	571	813	1060	1810	562	517	590	404
9	192	207	1000	580	566	778	1370	1520	547	470	561	393
10	190	219	893	749	586	756	1550	1320	534	443	582	392
11	191	233	1250	967	740	740	1280	1200	532	421	582	380
12	320	210	2260	733	642	716	1140	1130	559	409	646	373
13	897	201	1370	673	2390	802	1070	1070	553	431	672	361
14	741	198	1150	646	3090	750	1010	1020	600	537	749	353
15	425	470	1020	620	1690	706	1000	967	589	502	613	343
16	343	497	917	604	1340	696	947	928	614	497	684	327
17	305	342	846	588	1160	680	916	894	530	465	791	322
18	283	301	787	769	1050	674	883	868	538	883	641	321
19	270	282	749	884	983	664	858	845	488	611	582	322
20	260	362	707	725	939	754	911	816	483	559	545	318
21	256	326	685	667	886	1650	943	794	587	550	629	309
22	248	396	896	622	849	1040	995	836	653	499	655	300
23	811	364	796	613	986	888	1380	856	563	482	562	293
24	753	1150	713	1500	924	817	1060	765	557	440	510	293
25	460	1010	669	1410	863	817	953	732	572	509	489	292
26	365	680	619	1040	808	760	890	759	483	574	545	282
27	315	354	637	916	1280	754	997	806	456	630	577	268
28	289	1850	1550	836	1450	1390	1000	976	648	577	504	271
29	272	1320	1390	782	1180	1430	940	922	692	766	824	277
30	259	882	1000	737	—	1100	999	777	604	1150	852	294
31	247	—	864	700	—	973	—	718	—	1130	632	—
TOTAL	10425	14076	34226	23862	29427	27619	33085	33655	17296	17948	21411	10790
MEAN	336	469	1104	770	1015	891	1103	1086	577	579	691	360
MAX	897	1850	2880	1500	3090	1650	1910	2090	692	1150	1390	547
MIN	190	198	619	580	566	664	849	718	456	409	489	268
CFSM	1.62	2.27	5.33	3.72	4.90	4.30	5.33	5.25	2.79	2.80	3.34	1.74
IN.	1.87	2.53	6.15	4.29	5.29	4.96	5.95	6.05	3.11	3.23	3.85	1.94

CAL YR 1983 TOTAL 288365 MEAN 790 MAX 3960 MIN 190 CFSM 3.82 IN 51.82
WTR YR 1984 TOTAL 273820 MEAN 748 MAX 3090 MIN 190 CFSM 3.61 IN 49.21

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
12...	0830	262	14	15	7.0	6.7	16.0	17.0	9.4	100
NOV										
09...	1000	208	16	14	7.1	6.8	10.0	22.0	11.1	102
DEC										
14...	0945	1160	12	11	6.9	6.5	8.5	7.0	10.9	99
JAN										
11...	0930	1000	14	11	7.1	6.6	6.0	6.5	10.2	85
FEB										
15...	1615	1580	12	12	6.5	6.6	9.5	26.0	11.3	104
MAR										
14...	1230	742	11	14	6.9	7.1	9.0	24.0	11.4	102
APR										
11...	1045	1280	14	11	6.9	6.7	10.5	16.5	11.0	103
MAY										
10...	1015	1340	17	12	6.8	6.9	12.0	21.5	10.6	101
JUN										
13...	1025	544	17	18	7.2	6.7	20.0	30.0	9.1	103
JUL										
18...	1300	1140	13	13	7.2	6.7	21.5	26.5	8.3	98
AUG										
15...	1030	601	16	14	6.9	6.8	21.0	32.5	9.1	105
SEP										
12...	0945	373	17	14	7.2	7.0	19.5	27.5	9.2	103

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT									
12...	3.0	<1	.8	60	1.2	6.0	3	<.02	.020
NOV									
09...	3.0	3	.5	<20	.9	6.0	8	.02	.060
DEC									
14...	4.0	7	.6	65	1.2	5.0	<1	.04	.020
JAN									
11...	8.0	4	1.3	230	1.1	7.0	7	.04	.060
FEB									
15...	7.0	<1	1.1	<20	2.4	4.0	12	.02	.030
MAR									
14...	2.0	1	.3	<20	1.2	5.0	2	<.02	.030
APR									
11...	3.0	<1	.8	50	1.2	5.0	<1	.03	.030
MAY									
10...	4.0	6	.5	20	1.5	5.0	10	<.02	.040
JUN									
13...	5.0	9	.7	330	.6	5.0	3	<.02	.040
JUL									
18...	30	—	1.0	2300	.7	6.0	90	.05	.020
AUG									
15...	7.0	—	.4	110	1.5	6.0	7	.02	<.020
SEP									
12...	2.0	—	.9	20	.9	7.0	<1	<.02	.040

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
12...	.08	.10	—	<.020	<1.0
NOV					
09...	—	<.10	—	<.020	<1.0
DEC					
14...	—	<.10	—	<.020	1.4
JAN					
11...	.04	.10	.14	<.020	2.4
FEB					
15...	—	<.10	—	<.020	2.0
MAR					
14...	.87	.90	—	<.020	<1.0
APR					
11...	.17	.20	.23	<.020	1.5
MAY					
10...	.56	.60	—	.030	<1.0
JUN					
13...	—	<.10	—	<.020	1.9
JUL					
18...	—	—	—	.070	4.2
AUG					
15...	—	—	—	.030	2.7
SEP					
12...	—	--	—	<.020	1.0

02178400 TALLULAH RIVER NEAR CLAYTON, GA.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°53'25", long 83°31'50", Rabun County, Hydrologic Unit 03060102, on right bank 100 ft downstream from county highway bridge, 120 ft downstream from Persimmon Creek, 8 mi upstream from Burton Dam, and 10.3 mi west of Clayton.
DRAINAGE AREA.--56.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1964 to current year.
GAGE.--Water-stage recorder. Datum of gage is 1,868.93 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).
REMARKS.--Records good.
AVERAGE DISCHARGE.--20 years, 200 ft^{3}s, 48.07 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft^3/s May 28, 1973, gage height, 12.00 ft; minimum discharge, 36 ft^3/s Oct. 7, 8, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	0230	1710	5.54	Apr. 4	1100	1220	4.80
Feb. 14	0015	*2000	5.96	May 3	1100	1220	4.80
Mar. 20	2145	1200	4.78				

Minimum discharge, 53 ft^3/s Oct. 3, 4, 9-11, gage height, 1.93 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	72	228	217	156	316	312	335	188	165	270	92
2	56	71	195	202	151	290	287	334	182	152	238	90
3	55	70	458	191	154	270	322	858	176	135	200	88
4	54	74	953	181	149	255	736	669	171	146	170	87
5	77	69	449	176	144	284	583	485	166	149	182	85
6	62	66	748	169	139	272	443	414	162	145	159	83
7	56	65	486	164	132	255	378	393	158	157	137	81
8	55	64	362	158	131	242	341	748	153	135	144	79
9	54	64	296	153	130	231	463	544	149	123	130	77
10	54	71	258	224	152	223	416	451	145	116	145	76
11	55	65	487	206	152	215	368	397	142	111	143	75
12	78	62	487	179	146	208	337	363	151	106	233	73
13	471	62	357	169	979	224	315	336	149	126	288	71
14	177	62	313	162	1090	206	300	315	145	115	218	70
15	119	192	271	157	509	199	286	297	199	105	176	68
16	98	126	242	153	377	199	279	282	160	102	184	66
17	88	101	224	148	318	194	274	270	143	110	169	65
18	82	91	210	205	285	198	261	260	133	160	146	65
19	77	85	200	192	265	196	257	251	136	108	135	65
20	74	171	189	172	251	424	291	243	140	107	127	63
21	72	157	188	162	234	366	280	242	215	111	126	61
22	72	127	227	153	225	357	329	287	179	113	118	60
23	191	134	195	150	270	298	336	272	151	106	113	60
24	125	532	178	330	240	271	296	238	183	99	107	60
25	104	326	175	264	228	267	273	228	164	178	104	59
26	94	224	170	221	215	247	257	221	141	141	103	57
27	86	225	172	205	414	250	364	214	138	171	102	58
28	82	771	592	189	516	582	333	218	139	146	109	60
29	79	428	371	179	375	563	303	227	193	154	117	61
30	76	287	276	170	—	414	360	202	187	274	103	69
31	74	—	238	162	—	348	—	193	—	281	97	—
TOTAL	2955	4914	10195	5763	8527	9064	10380	10787	4838	4347	4793	2124
MEAN	95.3	164	329	186	294	292	346	348	161	140	155	70.8
MAX	471	771	953	330	1090	582	736	858	215	281	288	92
MIN	54	62	170	148	130	194	257	193	133	99	97	57
CFSM	1.69	2.90	5.82	3.29	5.20	5.17	6.12	6.16	2.85	2.48	2.74	1.25
IN.	1.95	3.24	6.71	3.79	5.61	5.97	6.83	7.10	3.19	2.86	3.16	1.40

CAL YR 1983 TOTAL 74772 MEAN 205 MAX 1450 MIN 52 CFSM 3.63 IN 49.23
WTR YR 1984 TOTAL 78687 MEAN 215 MAX 1090 MIN 54 CFSM 3.81 IN 51.81

02178400 TALLULAH RIVER NEAR CLAYTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1967 to September 1968, December 1969 to current year.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: September 1964 to September 1979.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 28.0°C July 28, 1966; minimum, 0.0°C on several days during most years.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT									
04...	1145	56	23	19	7.3	7.2	14.0	—	—
NOV									
08...	0845	64	19	19	7.1	6.9	—	—	—
DEC									
20...	1205	189	17	16	7.1	7.0	3.5	—	—
26...	1245	213	19	13	6.7	6.9	2.0	—	—
JAN									
31...	1040	162	16	17	—	6.9	2.0	—	—
APR									
05...	1100	576	12	13	6.8	6.7	8.0	10.7	98
JUN									
07...	1025	162	20	16	6.6	7.0	17.5	—	—
JUL									
17...	0915	102	22	16	7.0	7.1	18.5	—	—
AUG									
15...	1100	179	16	17	7.2	6.8	17.5	9.0	101
29...	0915	136	17	16	6.8	7.0	16.0	—	—

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
APR 05...	15	3.6	4	0	.93	.38	.90	31	.2	.40	6.0
AUG 15...	5	2.2	5	0	1.3	.45	1.2	31	.2	.50	7.0

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
APR 05...	1.8	.9	.90	<.10	6.0	19	14	30	.03	<.10	<.10
AUG 15...	.9	1.0	1.4	<.10	8.0	19	18	9.2	.03	<.10	<.10

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
APR 05...	<.010	<.010	—	.80	.20	<.010	<.010	1.4	20	1	<1
AUG 15...	.060	<.010	.44	.50	<.10	.010	<.010	.80	10	<1	<1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR 05...	<1	<10	<1	20	2	<1	2	<.1	<.1	<1	6
AUG 15...	<1	<10	1	36	6	5	5	<.1	<.1	<1	18

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.—Lat 34°15'20", long 82°44'42", Anderson County, S.C.-Elbert County, Ga., Hydrologic Unit 03060103, on left bank at downstream side of bridge on State Highway 184, 0.5 mi upstream from Little Generostee Creek, 5.8 mi southwest of Iva, and at mile 296.3.
DRAINAGE AREA.—2,231 mi^2.
PERIOD OF RECORD.—February 1968 to current year.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: October 1962 to September 1967, October 1968 to September 1972.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge record for the period October, 1949 to September, 1981 are in report published by the U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum daily, 28.0°C Aug. 30, 31, 1970; minimum daily, 3.0°C Jan. 31, 1966.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV 09...	0745	35	30	6.8	6.9	15.0	16.0	8.1	81
FEB 15...	1130	36	32	6.9	7.0	8.0	20.0	11.0	94
MAY 10...	0745	32	29	6.5	7.0	11.0	19.5	9.5	87
AUG 15...	0800	34	32	6.4	6.8	22.0	27.0	7.1	82

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
NOV 09...	2.0	.2	20	3.4	11	.06	.070	<.020	<1.0	180	180
FEB 15...	35	1.5	2300	2.4	10	.17	.060	.030	2.7	1100	25
MAY 10...	2.0	.5	<20	6.1	10	.17	.040	<.020	2.1	110	13
AUG 15...	5.0	.9	50	9.3	12	.18	.020	<.020	2.2	260	120

02191970 LITTLE MACKS CREEK NEAR LEXINGTON, GA.

LOCATION.--Lat 33°56'28", long 82°32'18", Oglethorpe County, Hydrologic Unit, 03060104, on right bank 10 ft upstream from culvert wingwall on State Highway 77, 11.3 mi northeast of junction with U.S. Highway 78 in Lexington.
DRAINAGE AREA.--1.77 mi^2.
PERIOD OF RECORD.--Annual maximum, water years 1960-74, December 1974 to current year. Prior to October 1977, published as Macks Creek Tributary No. 2 near Lexington.
GAGE.--Water-stage recorder. Altitude of gage is 510 ft, from topographic map. December 9, 1959, to December 4, 1974, crest-stage gage at same site and datum.
REMARKS.--Records fair.
GAGE DISCHARGE.--9 years, 2.38 ft^3/s, 18.26 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 853 ft^3/s Nov. 5, 1977, gage height, 10.49 ft; minimum daily discharge, 0.13 ft^3/s Oct. 2, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 6	0800	*333	6.23

Minimum daily discharge, 0.70 ft^3/s Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.91	.91	3.7	3.5	3.5	6.2	3.7	4.1	1.2	.98	9.9	.87
2	.91	.91	3.2	3.2	3.1	4.8	3.5	6.9	1.1	1.0	6.3	.86
3	.90	.91	25	3.0	3.2	4.4	5.4	21	1.0	1.0	3.8	.83
4	.88	.95	16	2.8	3.5	3.9	4.7	18	.97	.97	2.8	.83
5	1.2	.91	7.7	2.6	2.9	11	4.4	8.5	.96	.95	5.0	.82
6	.89	.91	60	2.5	2.8	16	3.9	6.3	.93	1.5	4.1	.79
7	.89	.91	13	2.3	2.5	8.4	3.4	5.2	.93	1.0	2.8	.85
8	.83	.92	8.0	2.2	2.5	6.7	3.2	4.6	.90	.96	2.3	.78
9	.83	.91	6.4	2.0	2.4	5.6	9.6	4.2	.84	.98	1.7	.76
10	.83	.93	4.7	22	2.4	4.9	9.1	3.6	.82	.97	1.6	.75
11	.81	.92	15	15	2.4	4.3	6.7	3.2	.82	.95	1.5	.77
12	.89	.91	13	8.2	2.4	3.9	5.6	2.8	.80	.93	1.4	.76
13	1.2	.91	7.3	6.6	11	4.5	4.7	2.5	1.1	1.2	4.5	.75
14	1.0	1.5	6.6	5.7	30	3.8	4.2	2.3	.86	2.0	2.7	.74
15	.91	3.6	5.0	5.1	9.5	3.7	3.8	2.2	.86	1.1	2.0	.72
16	.91	1.9	4.2	4.8	7.8	3.6	3.6	2.0	.89	2.2	1.8	.71
17	.86	1.2	3.7	4.6	6.3	3.4	3.5	1.9	.86	1.5	1.6	.75
18	.82	1.1	3.5	17	5.5	3.3	3.3	1.9	.82	2.6	1.4	.74
19	.86	1.0	3.2	17	4.9	3.2	3.2	1.8	.82	1.6	1.3	.75
20	.86	1.9	3.9	7.9	4.4	3.4	5.7	1.6	.95	1.2	1.3	.76
21	.86	1.4	2.9	5.7	4.0	4.0	4.7	1.5	1.3	1.1	1.3	.74
22	.86	1.1	4.5	4.8	3.7	3.4	13	1.5	1.2	1.1	1.2	.76
23	.99	1.2	3.7	4.3	6.2	3.1	13	1.5	1.2	1.1	1.3	.77
24	.98	8.5	3.0	5.9	5.2	2.8	7.5	1.5	1.1	1.2	1.2	.74
25	.92	5.7	2.7	5.3	4.6	3.1	5.9	1.5	1.1	1.2	1.1	.75
26	.96	3.2	2.6	4.5	4.2	2.8	4.7	1.4	1.0	1.1	1.1	.75
27	.95	2.4	2.5	5.9	22	2.9	5.2	1.4	1.0	1.1	1.0	.72
28	.97	10	7.0	4.8	13	5.3	4.7	1.4	1.0	1.6	1.0	.70
29	.95	5.9	6.6	4.2	8.8	5.2	4.2	1.5	1.0	6.8	1.1	.71
30	.91	4.5	4.2	3.9	—	4.7	4.2	1.3	1.1	4.1	1.0	.82
31	.91	—	3.9	3.7	—	4.0	—	1.3	—	3.3	.94	—
TOTAL	28.45	68.01	255.9	191.0	184.7	150.3	162.3	120.4	29.43	49.29	72.04	23.05
MEAN	.92	2.27	8.25	6.16	6.37	4.85	5.41	3.88	.98	1.59	2.32	.77
MAX	1.2	10	60	22	30	16	13	21	1.3	6.8	9.9	.87
MIN	.81	.91	2.5	2.0	2.4	2.8	3.2	1.3	.80	.93	.94	.70
CFSM	.52	1.28	4.66	3.48	3.60	2.74	3.06	2.19	.55	.90	1.31	.44
IN.	.60	1.43	5.38	4.01	3.88	3.16	3.41	2.53	.62	1.04	1.51	.48

CAL YR 1983 TOTAL 1384.50 MEAN 3.79 MAX 70 MIN .31 CFSM 2.14 IN 29.08
WTR YR 1984 TOTAL 1334.87 MEAN 3.65 MAX 60 MIN .70 CFSM 2.06 IN 28.04

02192000 BROAD RIVER NEAR BELL, GA.

LOCATION.—Lat 33°58'27", long 82°46'12", Elbert-Wilkes County line, Hydrologic Unit 03060104, at downstream side of main channel pier of bridge on State Highway 17, 0.5 mi downstream from Long Creek, 1 mi south of Bells Crossroads, and 12 mi southeast of Elberton.

DRAINAGE AREA.—1,430 mi², approximately.

PERIOD OF RECORD.—October 1926 to September 1932, August 1937 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.—WSP 1172: 1928-30. WSP 1383: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 357.16 ft, National Geodetic Vertical Datum of 1929. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi downstream at datum 1.12 ft lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

REMARKS.—Records good except those periods of no gage-height record or questionable gage-height record, Dec. 30 to Jan. 4, and May 9 to July 25, which are poor. Records of chemical analyses for the 1970-79 water years are in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—53 years, 1,824 ft³/s, 17.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 79,400 ft³/s Oct. 2, 1929, gage height, 34.8 ft, from rating curve extended above 30,000 ft³/s on basis of slope-conveyance studies; minimum, 108 ft³/s Oct. 8, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1926, that of Oct. 2, 1929.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 7	1900	*22500	22.17	Feb. 15	0330	14200	17.39

Minimum daily discharge, 312 ft³/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	551	609	1960	2500	1900	3570	2830	2890	2000	1630	6240	1060
2	544	611	1610	2200	1820	2900	2540	2690	1800	1440	9950	988
3	539	615	4160	2000	1790	2600	2650	5670	1700	1400	6870	952
4	531	623	10600	1880	2000	2380	3690	11200	1600	1520	3670	956
5	540	646	13200	1800	2030	3050	3230	10700	1550	1230	2830	960
6	556	659	13700	1740	1840	8260	2850	4980	1500	2590	2500	925
7	552	639	20500	1660	1730	5970	2510	3490	1450	3670	2180	882
8	537	630	18600	1620	1620	3580	2310	3070	1400	1990	1830	851
9	519	631	7790	1520	1610	2810	2740	2900	1350	1600	1670	833
10	515	636	3810	3030	1590	2500	6080	2700	1300	1430	1530	829
11	512	647	3630	10900	1710	2340	5320	2500	1250	1270	1500	816
12	517	652	9400	7660	1820	2220	3220	2400	1220	1120	1540	804
13	598	637	9280	3360	3450	2370	2760	2300	1190	1300	1840	790
14	960	646	4360	2620	11900	2770	2550	2200	1150	1500	1730	778
15	1080	1340	3330	2310	12800	2420	2450	2100	1080	2020	1560	763
16	791	2520	2710	2110	5460	2210	2290	2000	1050	1470	1390	736
17	684	1780	2300	1980	3550	2160	2160	1900	1090	1480	1470	701
18	644	1180	2070	2710	2930	2160	2100	1800	1160	1750	1490	684
19	623	982	1910	8630	2560	2150	2030	1750	1080	3860	1320	686
20	614	952	1790	7460	2330	2070	2930	1700	996	2100	1460	697
21	605	1340	1710	3610	2160	3240	4690	1700	1250	1580	2040	699
22	601	1420	2180	2750	2040	3530	4050	2200	1390	1600	1380	695
23	617	1140	4530	2380	2600	2610	5680	3000	1560	1550	1270	679
24	808	1720	3280	2470	2950	2310	5440	2300	1400	1300	1230	677
25	912	5730	2390	3410	2520	2310	3350	2000	1340	1230	1150	684
26	764	3690	1920	3170	2240	2300	2790	1900	1560	1180	1100	681
27	689	2160	1790	2900	5110	2110	2760	1800	1190	2850	1070	669
28	650	2530	2580	2920	11000	3250	5450	1900	1080	8700	1050	648
29	631	4710	6110	2480	6770	8900	3360	2200	1070	9330	1060	646
30	620	2910	4500	2210	—	7530	2820	2700	1360	10600	1250	680
31	615	—	3000	2020	—	3500	—	2500	—	7770	1190	—
TOTAL	19919	44985	170700	100010	103830	102080	99630	95140	40116	84060	68360	23449
MEAN	643	1500	5506	3226	3580	3293	3321	3069	1337	2712	2205	782
MAX	1080	5730	20500	10900	12800	8900	6080	11200	2000	10600	9950	1060
MIN	512	609	1610	1520	1590	2070	2030	1700	996	1120	1050	646
CFSM	.45	1.05	3.85	2.26	2.50	2.30	2.32	2.15	.94	1.90	1.54	.55
IN.	.52	1.17	4.44	2.60	2.70	2.66	2.59	2.47	1.04	2.19	1.78	.61

CAL YR 1983 TOTAL 831383 MEAN 2278 MAX 25000 MIN 350 CFSM 1.59 IN 21.63
WTR YR 1984 TOTAL 952279 MEAN 2602 MAX 20500 MIN 312 CFSM 1.82 IN 24.77

02196820 BUTLER CREEK AT FORT GORDON, GA.

LOCATION.—Lat 33°26'33", long 82°07'43", Richmond County, Hydrologic Unit 03060106, on upstream side of old bridge 600 ft upstream from U.S. Highways 78 and 278 at Fort Gordon.

DRAINAGE AREA.—7.5 mi².

PERIOD OF RECORD.—October 1968 to current year.

REVISED RECORDS.—WRD GA-83-1: 1970(M), 1972(M), 1975-78(M), 1980(M), 1982(M).

GAGE.—Water-stage recorder. Altitude of gage is 280 ft, from topographic map.

REMARKS.—Records good.

AVERAGE DISCHARGE.—16 years, 8.43 ft³/s, 15.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 500 ft³/s Mar. 3, 1971, gage height, 7.00 ft, from floodmark; minimum daily discharge, 0.10 ft³/s June 29, July 21, 1969.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 25	0800	*459	6.68	May 4	0145	456	6.66

Minimum daily discharge, 0.92 ft³/s Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.7	8.4	7.9	10	15	16	20	5.8	5.2	12	2.0
2	2.2	2.7	7.6	8.0	9.9	14	15	12	5.1	5.1	16	1.8
3	1.9	2.8	10	7.9	10	13	30	31	4.5	4.3	12	1.7
4	1.7	3.0	27	7.7	16	12	36	142	4.1	3.3	5.7	1.7
5	3.0	3.4	12	7.8	12	24	32	26	3.9	2.7	4.3	2.2
6	2.5	3.5	58	7.6	10	39	18	18	3.9	2.5	3.7	2.2
7	2.0	3.4	24	7.2	9.2	21	15	21	3.4	2.8	2.9	1.8
8	1.9	3.9	14	6.9	9.1	15	14	15	3.2	2.4	2.5	1.6
9	2.1	3.7	12	6.8	9.1	13	24	12	2.9	2.0	2.2	1.6
10	2.3	4.5	10	21	9.0	12	27	10	2.9	1.9	4.6	1.8
11	2.3	4.1	18	21	9.0	12	17	9.5	2.7	1.8	26	1.8
12	3.4	3.7	30	11	9.5	13	14	8.7	2.5	1.6	18	1.6
13	4.0	3.6	15	9.4	29	24	13	7.9	2.6	1.6	6.8	1.3
14	3.7	6.8	13	8.8	31	15	13	7.4	2.6	2.1	4.3	1.2
15	2.9	28	11	8.6	16	12	14	6.6	2.4	2.5	3.1	1.0
16	2.5	16	9.5	8.9	13	12	12	6.3	2.3	1.9	2.7	.93
17	2.3	6.5	9.0	8.4	12	11	11	6.1	2.0	1.5	2.3	.92
18	2.4	4.9	8.7	16	11	12	10	5.8	1.9	5.3	2.1	.99
19	2.4	4.5	9.0	38	10	11	10	5.5	1.7	5.5	2.1	1.2
20	2.3	18	8.2	15	9.9	17	29	5.1	1.7	3.3	2.1	1.2
21	2.3	12	11	12	9.5	28	16	4.8	2.9	12	1.9	1.2
22	2.7	6.4	20	11	12	13	14	9.0	9.4	8.9	1.9	1.1
23	19	5.2	13	11	27	11	32	11	6.7	5.0	5.2	1.1
24	8.2	61	9.6	17	13	10	14	9.5	4.0	3.6	7.7	1.2
25	4.3	53	7.9	22	11	156	11	6.2	3.7	2.6	3.0	1.3
26	3.3	14	7.5	14	9.7	33	9.4	6.7	2.7	2.2	2.6	1.2
27	2.8	10	8.2	29	70	24	18	8.0	4.3	2.0	3.4	1.1
28	2.6	24	18	16	29	44	19	38	5.0	5.0	5.2	1.1
29	2.6	15	13	13	18	28	13	15	19	13	2.9	1.9
30	2.4	9.7	9.6	12	—	19	12	8.4	14	11	2.9	3.0
31	2.5	—	8.2	11	—	17	—	6.6	—	18	2.4	—
TOTAL	102.5	340.0	440.4	401.9	453.9	700	528.4	499.1	133.8	142.6	174.5	44.74
MEAN	3.31	11.3	14.2	13.0	15.7	22.6	17.6	16.1	4.46	4.60	5.63	1.49
MAX	19	61	58	38	70	156	36	142	19	18	26	3.0
MIN	1.7	2.7	7.5	6.8	9.0	10	9.4	4.8	1.7	1.5	1.9	.92
CFSM	.44	1.51	1.89	1.73	2.09	3.01	2.35	2.15	.60	.61	.75	.20
IN.	.51	1.69	2.18	1.99	2.25	3.47	2.62	2.48	.66	.71	.87	.22

CAL YR 1983 TOTAL 3934.94 MEAN 10.8 MAX 118 MIN .58 CFSM 1.44 IN 19.51
WTR YR 1984 TOTAL 3961.84 MEAN 10.8 MAX 156 MIN .92 CFSM 1.44 IN 19.65

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.—Lat 33°22'25", long 81°56'35", Richmond County, Ga.-Aiken County, S.C., Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.2 mi upstream from Butler Creek, 12.0 mi downstream from Augusta, and at mile 187.4.

DRAINAGE AREA.—7,508 mi^2, including that of Butler Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932(M). WDR SC-77-1: 1975.

GAGE.—Water-stage recorder. Datum of gage is 96.58 ft, National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896 to Dec. 31, 1906, Jan. 1, 1925 to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft, NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft, NGVD (levels by U.S. Army Corps of Engineers). Oct. 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi downstream from present site and at present datum.

REMARKS.—Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500). Records of chemical analyses for the water years 1968-72 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—77 years (1884-91, 1897-1906, 1926-84), 10,210 ft^3/s, 18.47 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 350,000 ft^3/s Oct. 3, 1929; maximum gage height, 46.3 ft Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft^3/s Sept. 24, 1939, from rating curve extended below 1,400 ft^3/s; minimum daily, 1,040 ft^3/s Oct. 2, 1927.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum flood known occurred in 1796, discharge, 360,000 ft^3/s, gage height, 40 ft, marked by local residents, at site and datum of Fifth Street gage, by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 34,000 ft^3/s May 5, gage height, 20.35 ft; minimum daily discharge, 4,740 ft^3/s Nov. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5530	5250	6090	6000	14400	30300	7400	18400	9130	6690	20800	7040
2	5410	5210	6040	8390	14800	27800	10500	18600	9070	7110	21300	6300
3	5420	5140	6030	10000	14800	25200	11000	20000	7550	8690	27600	6180
4	5460	5330	5860	8560	12600	21300	10800	27900	6770	8930	30500	9300
5	5760	5500	9680	8600	10100	20800	13000	29500	8280	7540	29400	9370
6	7010	5310	11700	8010	8920	26700	14200	28800	9740	6850	29000	9750
7	5920	5360	15700	6180	11[illegible]	33200	11800	29900	9740	7010	29100	8450
8	6240	5110	15100	5590	11700	32300	8470	32000	9830	6750	29100	6120
9	5800	5640	10300	5510	11800	30100	10100	32000	8880	7480	29200	6160
10	5580	5300	6750	7990	10600	23800	11400	30000	6320	7200	24700	7050
11	5850	5140	5760	11800	6640	19200	13000	25800	7100	6510	19100	6910
12	9970	5100	7630	22900	5460	18200	12500	21200	10100	7450	14900	10500
13	8130	4980	8250	15900	6980	22100	11900	16900	10200	7640	12700	10700
14	5740	4740	7730	13600	12100	23800	11500	14500	10500	7010	14800	8340
15	6110	4870	7360	10400	10700	24000	9680	18900	10900	6330	14800	6460
16	5530	5050	10700	10700	16600	22300	9070	19400	9690	6380	15100	5870
17	5340	5980	10900	13600	15900	18800	10700	18400	6530	6760	14400	6610
18	6130	6350	7060	14500	13400	13600	9960	17100	6200	7060	11500	6990
19	5810	5350	6980	18100	10100	11100	9820	12700	8210	7990	7220	7590
20	5620	5150	8370	25000	10100	10000	13800	7130	9450	10100	6750	7660
21	5960	5160	8810	19200	14100	12400	17500	8400	9820	7410	6780	7230
22	5920	5050	9670	13900	15000	12000	18600	7670	9180	7240	6570	5320
23	5870	4930	9570	12200	16500	11800	19100	8160	7510	6960	8930	5190
24	6260	4950	6710	15100	19600	10100	23400	8390	6070	6940	7390	7270
25	6670	10200	10200	16100	18700	10200	22600	6480	5900	7750	7000	7510
26	6650	8730	13400	16500	14500	11500	21800	6830	6310	7590	6670	7930
27	6000	5220	11000	16700	15600	10900	21200	8390	7790	7850	6240	7650
28	5800	5010	9160	16200	28900	11700	22300	7280	7820	7930	7400	7050
29	5930	5490	9320	13300	30800	17900	20500	8610	6310	7960	8100	6370
30	5530	5430	9910	11700	—	16300	18000	10000	5650	14600	7920	6150
31	5320	—	9160	14100	—	11600	—	8730	—	22000	7820	—
TOTAL	188070	166030	280900	396330	410700	591000	425600	528070	247560	251730	482790	221020
MEAN	6067	5534	9061	12780	14160	19060	14190	17030	8252	8120	15570	7367
MAX	9970	10200	15700	25000	30800	33200	23400	32000	10900	22000	30500	10700
MIN	5320	4740	5760	5510	5460	10000	7400	6480	5900	6350	6240	5190

CAL YR 1983 TOTAL 4010580 MEAN 10990 MAX 64400 MIN 4740 MEAN† 11570 CFSM† 1.54 IN† 20.92
WTR YR 1984 TOTAL 4189800 MEAN 11450 MAX 33200 MIN 4740 MEAN† 11660 CFSM† 1.55 IN† 21.14

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARKS HILL RESERVOIR.

02197000 SAVANNAH RIVER AT AUGUSTA, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1949 to September 1950, February 1968 to September 1972, July 1973 to current year.

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.—Water-temperature recorder since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum, 26.5°C Aug. 14-17, 1981; minimum, 4.5°C Jan. 30, 31, Feb. 2, 4, 1977, Feb. 19, 20, 1979, Jan. 12, 1982.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum, 24.5°C Aug. 20-22, Sept. 3, 4; minimum, 6.5°C Jan. 2, 13, 14, 22-24, Feb. 6-8.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	20.0	19.0	18.5	14.0	13.5	8.0	7.5	7.5	7.0	8.0	7.5
2	22.0	20.0	19.0	18.5	14.0	13.5	7.0	6.5	7.5	7.0	8.5	8.0
3	22.0	21.5	19.0	18.5	14.5	13.5	8.0	7.5	8.0	7.5	9.0	8.0
4	22.0	21.5	19.0	18.5	15.0	14.5	8.5	8.0	8.5	7.5	9.0	8.5
5	22.0	21.5	19.0	18.5	15.0	13.5	9.0	8.0	8.0	8.0	9.0	9.0
6	22.5	22.0	18.5	18.0	15.0	14.0	9.0	8.5	8.0	6.5	9.5	9.0
7	22.5	22.0	18.0	17.0	15.0	13.5	9.5	8.5	6.5	6.5	9.5	9.0
8	22.0	21.5	17.5	17.0	13.5	12.5	9.5	9.0	7.0	6.5	9.5	9.0
9	22.0	21.5	17.5	17.0	12.5	12.0	9.0	8.5	7.5	7.0	9.5	8.5
10	22.0	20.5	18.0	17.5	12.5	12.0	9.0	8.5	8.0	7.5	9.5	9.0
11	20.5	20.5	18.0	17.0	13.0	12.0	9.0	7.5	9.0	8.0	9.5	9.0
12	21.5	20.5	17.0	16.0	13.0	13.0	8.0	7.5	10.0	9.0	10.0	9.0
13	20.5	20.0	16.0	15.0	13.0	12.5	7.5	6.5	10.5	10.0	10.0	9.5
14	21.5	20.0	15.0	14.5	13.0	12.5	8.0	6.5	10.5	9.5	10.0	9.0
15	22.0	21.5	15.0	14.5	13.0	12.5	7.5	7.0	11.0	9.5	10.5	9.5
16	21.5	20.0	14.5	14.5	12.5	12.5	7.5	7.0	10.5	9.0	11.0	9.5
17	20.0	19.5	14.5	14.0	12.5	12.0	8.0	7.5	9.0	8.0	11.0	10.0
18	21.5	20.0	14.5	13.5	12.5	12.0	8.5	8.0	9.0	8.5	11.0	10.5
19	22.0	21.5	14.5	14.0	12.0	11.5	8.0	7.5	9.5	9.0	12.5	11.0
20	22.0	21.5	15.0	14.5	12.0	11.5	8.0	7.5	10.0	9.0	13.0	12.0
21	22.0	21.5	15.5	15.0	11.5	11.0	7.5	7.0	9.5	8.0	12.0	11.0
22	21.5	20.0	15.5	14.5	11.0	10.5	7.0	6.5	8.5	8.0	11.5	10.5
23	20.0	19.0	15.0	14.5	10.5	10.5	6.5	6.5	8.5	7.5	12.5	11.5
24	19.5	19.0	15.5	15.0	10.5	9.5	7.5	6.5	9.0	8.0	13.0	12.0
25	19.5	19.0	16.0	14.5	9.5	7.0	7.5	7.0	9.0	9.0	14.5	13.0
26	19.5	19.0	14.0	13.5	8.5	7.0	7.5	7.0	9.5	9.0	14.0	13.5
27	19.5	19.0	13.5	13.0	8.5	7.5	8.0	7.5	9.5	8.5	14.0	13.0
28	19.0	18.5	14.5	13.5	9.0	8.0	8.0	7.5	8.5	8.0	14.0	13.0
29	19.0	18.5	14.5	14.0	9.5	9.0	8.5	8.0	8.0	7.5	14.5	13.5
30	19.0	18.5	14.0	13.5	9.5	8.0	8.0	8.0	—	—	13.5	13.5
31	19.0	18.5	—	—	8.5	7.0	8.0	7.0	—	—	14.0	13.0
MONTH	22.5	18.5	19.0	13.0	15.0	7.0	9.5	6.5	11.0	6.5	14.5	7.5

02197000 SAVANNAH RIVER AT AUGUSTA, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.5	13.5	16.0	14.5	18.5	16.5	21.0	19.5	19.5	18.5	24.0	22.5
2	14.5	13.5	16.0	14.5	18.5	17.0	21.0	19.5	20.0	18.5	24.0	23.0
3	14.0	13.0	16.0	14.5	20.0	17.5	21.5	19.5	20.0	19.0	24.5	23.5
4	13.0	12.5	16.5	14.5	21.5	19.0	21.0	19.0	20.0	19.5	24.5	22.0
5	13.0	12.5	17.5	15.5	22.0	20.0	22.0	19.5	20.0	19.5	22.0	21.5
6	13.0	12.5	17.0	15.5	20.5	18.5	22.5	21.0	20.5	19.5	21.5	21.0
7	14.0	13.0	15.5	15.0	20.5	18.5	22.5	21.0	21.0	20.0	22.0	21.0
8	14.5	13.5	16.0	15.0	20.5	18.5	22.5	21.0	21.0	20.0	22.0	21.0
9	14.5	13.5	16.0	14.5	20.5	18.5	23.5	21.5	21.0	20.5	22.0	21.0
10	13.5	11.5	16.5	15.0	21.0	19.0	23.5	21.5	22.0	20.5	21.5	21.0
11	12.5	11.5	16.5	13.0	22.5	21.0	23.0	21.0	22.5	21.5	22.5	21.0
12	13.5	12.5	17.0	15.0	22.0	18.5	22.5	20.5	22.5	22.0	23.0	22.0
13	14.5	13.5	17.5	16.0	20.0	18.5	22.5	20.5	23.0	22.5	23.0	22.0
14	15.0	14.5	17.5	17.0	20.0	18.5	23.0	21.0	23.0	21.0	23.5	22.5
15	15.0	14.5	17.5	15.5	20.0	18.5	23.0	22.0	22.5	21.5	24.5	23.0
16	15.0	14.5	16.5	15.0	20.0	19.0	23.5	22.0	23.0	21.5	24.0	21.0
17	14.5	13.5	16.5	15.5	21.5	18.5	24.0	22.5	23.0	21.5	22.0	20.0
18	14.0	13.5	16.5	15.0	22.5	21.0	23.5	21.5	23.0	22.0	21.0	20.0
19	14.0	13.5	17.0	16.0	22.5	21.0	22.0	21.0	24.0	22.0	21.0	20.0
20	13.5	12.5	19.0	16.5	21.0	19.5	23.0	20.0	24.5	23.0	21.5	18.5
21	14.0	13.0	20.0	18.5	20.5	19.0	22.0	20.5	24.5	23.0	22.0	20.5
22	14.0	13.5	20.5	18.5	20.5	18.5	22.0	21.0	24.5	23.0	22.0	20.5
23	14.0	13.0	19.5	18.5	20.0	18.5	23.0	21.0	24.0	22.5	22.5	21.5
24	14.5	13.5	19.5	18.0	20.0	19.0	23.5	22.0	24.0	22.5	23.0	22.0
25	15.5	14.0	20.5	19.0	21.0	19.5	23.5	22.0	24.0	22.5	23.5	22.0
26	15.5	14.0	20.5	19.5	22.0	21.0	23.0	21.0	24.0	23.0	23.5	22.0
27	15.5	14.0	20.0	18.5	22.0	20.5	23.0	21.0	23.5	22.5	22.5	22.0
28	15.0	13.5	20.0	18.5	21.0	19.5	22.5	21.0	24.0	22.5	22.0	19.5
29	15.0	14.0	21.0	19.5	21.0	20.0	22.0	21.0	23.5	22.5	20.5	19.5
30	16.0	14.0	20.0	18.5	21.0	19.5	21.5	18.5	23.0	22.0	20.5	20.0
31	—	—	19.0	17.5	—	—	19.0	18.5	23.5	22.0	—	—
MONTH	16.0	11.5	21.0	14.5	22.5	16.5	24.0	18.5	24.5	18.5	24.5	18.5
YEAR	24.5	6.5										

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.—Lat 33°13'01", long 81°46'04", Aiken County, S.C.-Burke County, Ga., Hydrologic Unit 03060106, on left bank 1.4 mi downstream from Upper Three Runs Creek, 6.2 mi south of Jackson, 15.2 mi upstream from Steel Creek, and at mile 156.8.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1971 to current year, discharge defined below 22,000 ft^3/s, only.

GAGE.—Water-stage recorder. Datum of gage is 77.0 ft, National Geodetic Vertical Datum of 1929.

REMARKS.—Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500.)

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, undetermined, Apr. 11, 1983; maximum gage height, 21.57 ft Apr. 11, 1983; minimum daily discharge, 3,220 ft^3/s Dec. 9, 1981.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, undetermined, Mar. 9; maximum gage height, 19.30 ft Mar. 9; minimum daily discharge, 4,900 ft^3/s Nov. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5690	5470	5970	7520	15000	—	11800	20000	11100	7230	18900	8000
2	5440	5350	6100	6410	15200	—	9670	19600	10300	7510	19800	6920
3	5380	5350	6350	9390	15600	—	11700	19600	9330	8270	20400	6550
4	5380	5550	5930	9330	15300	—	11900	20500	8120	9650	21500	7440
5	5470	5730	7290	8160	13000	21600	12700	21900	7860	8880	—	9810
6	6430	5530	11100	8690	9830	21200	13500	—	9740	7440	—	10200
7	6290	5410	13200	6840	10500	21800	14900	—	10500	7350	—	9450
8	6020	5320	15900	5770	11600	—	12000	—	10500	7350	—	7690
9	6040	5470	14500	5430	12200	—	10000	—	10500	7380	—	6450
10	5820	5470	9330	6050	12000	—	11500	—	7970	7720	—	6680
11	5770	5250	6560	8460	9370	—	13000	—	6570	6980	—	7300
12	7730	5190	6290	15100	6290	20900	14000	—	9110	7090	21300	8570
13	9730	5060	8250	17700	6100	20300	13200	21600	10500	7850	18800	11000
14	7320	4900	8420	16900	10400	20700	12700	19400	10800	7870	17300	10400
15	5990	4930	6730	14100	15600	21200	11800	18500	11100	7100	16800	7670
16	5930	5180	9200	10900	17900	21500	9690	19000	11300	6700	16700	6360
17	5400	5580	11000	13000	18000	21200	10700	19300	8490	6910	16700	6290
18	5510	6670	9440	14400	17100	19800	11000	19000	6730	7270	15600	6960
19	5990	6190	6720	15700	14900	16800	10300	18000	6910	7870	11300	7410
20	5580	5590	7750	18000	10900	14000	11600	13100	9320	10500	8380	7950
21	5860	5570	8380	19600	13400	12400	15700	9200	9960	9470	7800	7720
22	5870	5550	9050	19100	15100	14100	17600	9220	10000	8230	7450	6690
23	5980	5350	9850	16200	16200	13200	18600	8270	9110	7750	8130	5340
24	6350	5260	8550	15500	17500	12700	19400	9400	7310	7380	8870	6220
25	6830	7170	6830	16300	18700	10500	20500	8210	6280	7700	7880	7550
26	6880	11300	12700	16900	18600	13100	21000	7340	6350	7890	7450	7970
27	6340	7610	12400	17300	17000	13100	21000	8530	7000	8110	6950	7990
28	5960	5690	10200	17600	18600	12600	21100	9310	8450	8300	7030	7530
29	5940	5560	9340	16900	21000	14700	21300	9210	7490	8680	8250	7210
30	5770	5720	9630	14300	—	17300	20900	12100	7080	10900	8380	6360
31	5540	—	9990	14000	—	16700	—	11200	—	16900	8240	—
TOTAL	190230	173950	282950	401550	412890	—	436760	—	265780	256230	—	229680
MEAN	6136	5798	9127	12950	14240	—	14560	—	8859	8265	—	7656
MAX	9730	11300	15900	19600	21000	—	21300	—	11300	16900	—	11000
MIN	5380	4900	5930	5430	6100	—	9670	—	6280	6700	—	5340

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1972 to June 1974.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: October 1971 to current year.
INSTRUMENTATION.—Water-temperature recorder since October 1971.
REMARKS.—No daily water-temperature record Aug. 23 to Sept. 4.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 26.5°C July 21, 1981; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977, Feb. 9, 1978, Jan. 12, 1982.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum recorded, 24.5°C Aug. 21; minimum, 6.0°C Jan. 1, 22, 23, Feb. 8.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	19.5	18.0	17.5	13.5	12.5	7.0	6.0	7.5	7.0	8.0	7.0
2	20.5	20.0	18.0	17.5	13.5	12.5	7.0	6.5	8.0	7.5	8.0	7.5
3	21.0	20.0	18.0	17.5	14.0	13.5	7.5	7.0	8.0	7.5	9.0	8.0
4	21.5	21.0	18.5	18.0	15.0	14.0	8.0	7.5	8.5	8.0	9.5	9.0
5	22.5	21.5	18.5	18.0	15.0	14.5	8.5	8.0	9.0	8.5	10.0	9.5
6	22.5	22.0	17.5	17.0	15.0	14.0	9.0	8.5	8.5	7.5	10.5	10.0
7	22.0	21.5	17.0	16.5	14.5	13.5	9.5	9.0	7.5	7.0	10.5	10.0
8	21.5	20.5	17.0	16.5	13.5	12.5	9.5	8.5	7.0	6.0	10.0	9.5
9	20.5	20.5	17.0	17.0	12.5	11.0	9.5	8.5	7.5	6.5	10.0	9.5
10	20.5	20.0	17.5	17.0	11.5	11.0	9.5	9.0	8.0	7.5	9.5	9.0
11	20.5	20.0	17.5	16.5	12.5	11.5	9.5	9.0	9.5	8.0	10.0	9.0
12	21.0	20.0	16.5	15.5	13.0	12.5	9.0	7.5	11.0	9.5	10.0	9.5
13	20.5	20.0	15.5	15.0	13.0	12.5	8.0	7.0	12.0	11.0	10.5	10.0
14	20.5	20.0	15.0	14.0	13.0	12.5	7.0	7.0	12.0	11.0	10.5	10.0
15	20.0	19.5	14.5	14.0	13.0	12.5	7.0	7.0	11.0	10.0	11.5	10.5
16	20.0	19.0	14.5	13.5	12.5	12.0	7.5	7.0	11.5	10.5	12.0	11.0
17	19.5	19.5	13.5	13.0	12.5	12.0	8.0	7.5	10.5	9.5	12.0	12.0
18	20.0	19.5	13.5	13.0	12.0	11.5	8.5	8.0	10.5	9.5	13.0	12.0
19	20.5	20.0	14.0	13.0	12.0	11.5	8.5	8.5	11.0	10.0	13.5	13.0
20	20.5	20.0	14.0	14.0	11.5	11.0	8.5	7.5	11.0	10.0	14.0	13.5
21	20.5	20.0	14.5	13.5	11.0	10.5	7.5	7.0	10.0	8.5	14.0	11.5
22	20.0	19.5	14.5	13.5	10.5	10.5	7.0	6.0	9.0	8.5	12.5	11.0
23	19.5	19.0	14.5	14.0	10.5	10.0	6.5	6.0	9.0	8.0	13.0	11.5
24	19.0	18.5	15.0	14.5	10.5	8.5	7.0	6.5	9.0	8.5	14.0	12.5
25	19.0	18.0	15.0	14.5	8.5	7.5	8.0	7.0	10.0	9.0	14.5	12.5
26	19.0	18.0	15.0	13.0	7.5	6.5	8.0	7.5	10.0	9.5	15.0	14.0
27	18.5	18.0	13.5	12.5	7.5	7.0	8.5	8.0	10.0	10.0	15.0	13.5
28	18.5	17.5	14.5	13.5	8.5	7.0	9.0	8.0	10.0	8.5	15.0	14.0
29	18.0	17.5	14.0	13.5	9.0	8.5	8.5	8.0	8.5	8.0	15.0	13.0
30	18.0	17.5	13.5	13.0	9.0	8.5	8.5	8.5	—	—	14.0	13.0
31	18.0	17.5	—	—	8.5	7.0	8.5	7.5	—	—	14.0	12.5
MONTH	22.5	17.5	18.5	12.5	15.0	6.5	9.5	6.0	12.0	6.0	15.0	7.0

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.5	13.5	16.5	16.0	18.5	17.0	21.5	20.5	19.5	18.5	—	—
2	14.0	13.5	16.5	16.0	18.5	17.5	21.0	20.5	20.0	19.5	—	—
3	14.5	13.0	16.0	15.5	20.0	18.0	21.5	20.5	20.5	20.0	—	—
4	14.0	13.0	16.5	15.5	21.0	18.0	21.5	20.5	21.0	20.0	—	—
5	13.5	13.0	17.0	16.5	22.0	20.5	22.0	21.0	21.0	20.5	23.0	22.0
6	13.5	12.5	17.5	17.0	22.0	20.5	23.0	21.5	21.0	20.5	22.0	21.5
7	14.0	13.0	17.5	17.5	21.0	20.5	23.5	22.5	21.0	20.5	21.5	21.0
8	15.0	14.0	17.5	17.0	21.0	20.5	23.5	22.0	21.5	20.5	21.5	21.0
9	15.0	14.5	17.0	16.0	20.5	20.0	23.5	22.0	21.5	20.5	21.5	21.0
10	14.5	13.5	16.0	16.0	21.5	20.0	24.0	22.5	21.5	21.0	21.5	21.0
11	13.5	12.5	16.5	16.0	22.0	20.5	24.0	22.5	22.0	21.5	22.5	21.0
12	14.5	13.5	17.0	16.5	22.5	21.5	23.5	22.0	22.5	20.5	23.0	21.5
13	15.0	14.5	17.5	16.5	22.0	20.0	23.0	22.0	23.0	22.0	23.0	22.5
14	15.5	15.0	18.5	17.5	21.0	20.0	23.0	22.0	23.0	22.0	23.0	22.5
15	15.5	15.5	18.5	17.0	20.5	20.0	23.5	22.0	22.5	21.0	23.5	23.0
16	16.0	15.0	17.0	16.5	21.0	20.0	23.5	23.0	23.0	21.5	23.0	22.5
17	15.0	14.5	17.0	16.0	21.5	20.5	24.0	23.0	23.0	21.0	22.5	21.5
18	15.0	14.0	17.0	16.0	22.5	20.5	24.0	23.0	23.5	22.0	21.5	20.5
19	14.5	13.5	17.5	16.0	23.5	22.5	23.0	22.0	23.5	22.0	21.0	20.0
20	14.0	14.0	18.0	17.0	23.5	21.0	22.0	20.0	24.0	22.0	20.5	19.5
21	14.0	13.0	20.0	18.0	21.0	20.5	22.5	20.5	24.5	23.0	21.5	20.0
22	14.5	13.5	20.5	19.5	21.0	19.5	22.5	21.0	24.0	23.5	22.0	20.5
23	15.0	14.5	21.0	19.5	21.0	19.5	23.0	21.5	—	—	22.0	21.0
24	15.0	14.0	20.5	19.5	21.0	19.5	23.5	22.0	—	—	22.5	21.5
25	15.0	14.0	21.0	19.0	21.5	20.0	24.0	23.0	—	—	23.0	22.0
26	16.0	15.0	21.0	20.0	22.5	20.5	24.0	22.5	—	—	23.0	22.0
27	15.5	15.5	21.0	20.5	22.5	21.5	23.5	22.5	—	—	22.5	21.5
28	15.5	15.0	20.5	19.5	22.0	20.5	23.0	22.0	—	—	21.5	20.5
29	15.5	15.0	21.0	19.5	21.5	20.5	22.0	21.5	—	—	20.5	20.0
30	16.5	15.5	20.0	19.0	21.5	20.5	21.5	21.0	—	—	20.5	19.5
31	—	—	19.0	17.5	—	—	21.0	18.5	—	—	—	—
MONTH	16.5	12.5	21.0	15.5	23.5	17.0	24.0	18.5	24.5	18.5	23.5	19.5
YEAR	24.5	6.0										

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLETT, S.C.

LOCATION.—Lat 33°04'58", long 81°35'34", Allendale County, S.C.-Burke County, Ga., Hydrologic Unit 3060106, on left bank 2.8 mi downstream from Steel Creek, 12.6 mi upstream from Lower Three Runs, 3.7 mi west of Millett, and at mile 138.8.
PERIOD OF RECORD.—Water years 1972 to current year.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: October 1971 to current year.
INSTRUMENTATION.—Water-temperature recorder since October 1971.
REMARKS.—No daily water-temperature record Oct. 10-18, Oct. 31 to Nov. 2.
EXTREMES FOR PERIOD OF RECORD.—
WATER TEMPERATURE: Maximum, 31.5°C Sept. 7, 1982; minimum, 4.0°C Jan. 20, 1977.
EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum, 25.5°C July 11, 16, 17, 26, Sept. 3, 4; minimum, 6.0°C Jan. 23.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	21.5	—	—	14.0	13.5	7.5	7.0	8.5	7.5	8.0	7.5
2	22.5	21.5	—	—	14.0	13.5	8.0	7.0	8.0	7.5	8.5	7.5
3	23.0	21.5	19.0	19.0	15.0	13.5	8.0	7.5	8.5	8.0	9.0	8.0
4	23.5	22.0	19.0	18.5	16.0	15.0	8.0	7.5	9.0	8.5	10.0	9.0
5	24.5	23.0	19.0	19.0	16.0	15.5	9.5	8.0	9.0	9.0	10.5	10.0
6	24.5	24.0	18.5	18.0	16.0	15.0	10.0	9.0	9.0	8.0	11.0	10.5
7	24.0	23.0	18.0	17.5	15.0	14.5	10.0	9.5	8.0	7.0	11.0	10.5
8	23.5	22.5	18.0	17.5	14.5	13.0	10.0	9.5	7.0	6.5	10.5	10.0
9	22.5	22.5	18.0	17.5	13.0	12.0	10.5	9.5	7.5	6.5	10.5	10.0
10	—	—	18.5	18.0	12.0	11.5	11.0	10.0	8.5	7.0	10.0	9.5
11	—	—	18.0	17.0	13.5	12.0	10.5	10.0	9.5	8.0	10.0	9.5
12	—	—	17.0	16.0	14.0	13.5	9.5	8.0	11.0	9.5	10.5	9.5
13	—	—	16.0	15.5	13.5	13.5	8.0	7.5	12.0	11.0	11.0	10.5
14	—	—	15.5	14.5	14.0	13.5	7.5	7.0	12.5	12.0	11.0	10.5
15	—	—	15.5	15.0	13.5	13.0	7.5	7.0	12.5	10.5	12.0	11.0
	—	—										
16	—	—	15.5	14.5	13.0	12.5	8.0	7.5	11.5	10.5	12.5	11.5
17	—	—	14.5	13.5	12.5	12.5	8.5	8.0	11.5	11.0	13.0	12.5
18	—	—	14.0	13.0	12.5	12.5	9.0	8.5	10.5	10.0	13.0	12.5
19	22.0	21.0	14.0	13.5	12.5	12.0	9.0	8.5	11.0	10.5	14.5	13.0
20	22.0	21.5	15.0	14.0	12.5	12.0	8.5	8.0	11.5	11.0	15.0	14.0
21	22.0	21.5	15.0	14.5	12.0	11.0	8.0	7.0	11.5	10.5	14.5	14.0
22	21.5	21.0	15.5	14.5	11.0	11.0	7.0	6.5	10.5	9.0	14.0	13.0
23	21.5	20.5	15.5	14.5	11.0	10.5	6.5	6.0	9.5	9.0	13.5	13.0
24	21.0	21.0	16.5	15.5	10.5	9.5	7.0	6.5	9.0	8.5	14.0	13.0
25	21.0	20.5	16.0	15.0	9.0	7.5	8.0	7.0	10.0	9.0	15.5	14.0
26	20.5	20.5	15.0	14.5	7.5	6.5	8.0	8.0	10.5	10.0	15.5	15.0
27	20.5	20.0	14.5	13.5	8.0	7.0	8.5	8.0	10.5	10.0	15.5	15.0
28	20.0	19.5	15.5	14.5	8.0	7.5	9.0	8.5	10.5	8.5	16.0	15.0
29	20.0	19.0	15.0	14.5	9.0	8.5	9.0	9.0	8.5	8.0	16.0	14.5
30	19.5	19.0	14.0	13.5	9.5	9.0	9.5	8.5	—	—	14.5	14.0
31	—	—	—	—	9.0	7.5	9.0	8.5	—	—	14.5	14.0
MONTH	24.5	19.0	19.0	13.0	16.0	6.5	11.0	6.0	12.5	6.5	16.0	7.5

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLETT, S.C.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	14.0	17.5	17.0	20.5	19.0	23.5	22.5	20.5	19.5	24.5	24.0
2	15.5	15.0	17.5	17.0	20.0	19.0	23.0	22.5	21.0	20.0	25.0	24.5
3	15.5	15.0	17.5	17.0	21.0	19.5	23.0	22.5	22.0	21.0	25.5	24.5
4	15.0	14.5	17.5	16.5	21.5	20.5	23.5	23.0	22.0	21.5	25.5	25.0
5	15.0	14.5	18.0	17.0	23.0	21.5	24.0	22.5	22.5	22.0	25.0	24.0
6	14.5	14.0	18.5	17.5	23.5	22.5	24.0	23.0	22.5	22.0	24.0	23.0
7	14.5	13.5	18.5	18.0	23.0	22.0	25.0	24.0	22.5	22.0	23.0	22.5
8	15.5	14.5	18.5	18.0	22.5	21.5	25.0	24.5	22.5	22.0	22.5	22.0
9	15.5	15.5	18.0	17.0	22.5	21.5	25.0	24.5	22.5	22.0	22.5	22.5
10	15.5	14.5	17.0	16.5	23.0	21.5	25.0	24.5	22.5	22.5	23.0	22.5
11	14.5	14.0	17.0	16.5	23.5	22.5	25.5	24.5	23.0	22.5	23.0	22.5
12	14.0	13.5	17.5	16.5	24.0	23.0	25.0	24.5	23.0	22.5	23.5	23.0
13	15.5	14.0	18.0	17.0	23.5	23.0	24.5	24.0	23.5	23.0	24.0	23.5
14	16.5	15.5	19.0	18.0	22.5	21.5	24.5	24.0	24.0	23.5	24.5	23.5
15	16.5	16.0	19.0	18.5	22.5	21.5	25.0	24.0	24.0	23.5	24.5	24.0
16	17.0	16.0	18.5	17.5	22.5	21.5	25.5	24.5	23.5	23.5	24.5	23.5
17	16.5	16.0	17.5	17.0	23.0	21.5	25.5	24.5	23.5	23.0	23.5	23.0
18	16.0	15.5	17.5	17.0	23.5	22.5	25.0	24.0	24.0	23.0	23.0	22.5
19	15.5	15.0	17.5	17.0	24.5	23.0	24.5	23.5	24.5	23.5	22.5	22.0
20	15.5	14.5	19.5	18.0	24.5	24.0	23.0	22.5	24.5	24.0	22.0	21.5
21	15.0	14.5	20.5	19.5	24.0	22.5	24.0	22.0	25.0	24.5	22.0	21.5
22	15.0	14.5	21.5	20.5	23.0	22.0	24.0	23.5	25.0	24.5	22.5	22.0
23	15.5	15.0	22.0	21.0	22.5	21.0	24.0	23.5	25.0	24.5	23.0	22.5
24	15.5	15.0	22.0	21.5	22.5	22.0	24.5	24.0	25.0	24.5	23.5	23.0
25	15.5	15.0	22.0	21.0	23.5	22.5	25.0	24.5	25.0	24.5	23.5	23.0
26	16.5	15.5	22.5	22.0	24.0	23.0	25.5	25.0	25.0	24.5	23.5	23.5
27	16.5	16.0	23.0	21.5	23.5	23.0	25.0	24.5	24.5	24.0	24.0	23.0
28	16.0	16.0	22.0	21.5	23.5	23.0	24.5	24.0	24.5	24.0	23.0	22.0
29	16.5	16.0	21.5	21.0	23.0	22.5	24.0	23.0	24.5	24.0	22.0	21.5
30	17.0	16.5	21.5	20.0	23.0	22.5	23.0	22.5	24.5	24.0	22.0	21.0
31	—	—	20.5	20.5	—	—	22.5	20.0	24.5	24.0	—	—
MONTH	17.0	13.5	23.0	16.5	24.5	19.0	25.5	20.0	25.0	19.5	25.5	21.0
YEAR	25.5	6.0										

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.

LOCATION.—Lat 32°56'20", long 81°30'10", Screven County, Ga.-Allendale County, S.C., Hydrologic Unit 03060106, on right bank 500 ft downstream of bridge on U.S. Highway 301, 2.0 mi downstream from Rocky Creek, 9.0 mi east of Millhaven, and at mile 129.2.

DRAINAGE AREA.—8,650 mi^2, approximately.

PERIOD OF RECORD.—October 1939 to September 1970, October 1982 to current year.

GAGE.—Water-stage recorder. Datum of gage is 54.42 ft, National Geodetic Vertical Datum of 1929.

REMARKS.—Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500.)

AVERAGE DISCHARGE.—33 years, 10,650 ft^3/s, 16.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 141,000 ft^3/s Aug. 18, 1940; gage height, 27.0 ft; minimum daily, 2,120 ft^3/s Sept. 9, 1951.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in October 1929 reached a stage of 30.8 ft, from information by Corps of Engineers, discharge, 220,000 ft^3/s from rating curve extended above 141,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 33,900 ft^3/s May 12, gage height 17.83 ft; minimum daily discharge, 5,210 ft^3/s Nov. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6170	6070	6250	10200	17100	21000	17200	25300	12300	8060	15100	8530
2	5910	5830	6460	8090	16600	22200	15100	25100	11700	8140	16600	8100
3	5690	5700	6550	8080	16400	25200	13000	24300	10900	8340	17800	7330
4	5660	5560	6750	9800	16500	29200	13200	24000	9670	9160	19100	7040
5	5660	5570	6710	9520	16300	31000	13700	23700	8600	9690	20500	8480
6	5800	5930	8690	9040	14800	31100	14500	23900	8800	8940	22300	9640
7	6690	6040	11300	8890	11800	29600	15800	25500	9990	7970	24900	9970
8	6430	5810	13200	7430	11600	28000	15900	28500	10500	7890	27700	9260
9	6370	5700	14600	6310	12100	27900	14000	31100	10500	7770	29300	7710
10	6330	5640	14300	6240	12400	30100	12400	32300	10000	7940	29900	6950
11	6130	5830	10600	7530	12000	32800	12800	33300	8050	7960	30200	7280
12	6160	5660	8060	10000	9380	33000	13800	33600	7570	7380	30200	7600
13	8360	5460	8140	13800	7300	31300	14400	33000	9600	7700	29100	9300
14	8940	5350	9080	15700	8630	28400	14200	31100	10500	8210	26800	10500
15	7210	5220	8900	16500	12200	26300	13700	28100	10800	8020	24000	9680
16	6390	5210	8090	16000	14900	25300	12400	25200	11100	7390	21600	7800
17	6040	5400	10000	14100	16400	25300	11000	23100	10800	7110	19900	6730
18	5560	5770	11000	14200	17300	25600	11400	22000	8560	7320	18800	6820
19	5870	6610	9390	15000	17700	25500	11300	21400	7310	7770	17600	7270
20	6130	6720	7850	15800	17200	24100	11100	21000	7960	8790	14600	7730
21	5870	6190	8460	16700	14900	21600	12900	18800	9440	10400	10500	8020
22	6130	6060	9020	17800	14600	18600	15100	14500	10100	9430	8910	7770
23	6250	6000	9770	18800	15300	17000	16800	11200	10100	8560	8180	6640
24	6470	5810	10200	19400	16000	15800	18300	9850	9170	8120	9260	5780
25	6850	5870	8700	19200	16800	14500	19500	9840	7740	7860	9470	6880
26	7220	7620	8930	18700	17700	13400	20600	8600	6980	8190	8720	7740
27	7080	10500	12200	18800	19000	14300	21700	8250	7070	8450	8090	8110
28	6540	8520	12300	18900	20100	14600	22900	9380	8060	8830	7600	8040
29	6290	6620	11000	19100	20500	14700	23900	10200	8780	9150	7910	7710
30	6250	6220	10500	19000	—	15600	24800	11300	8180	9730	8640	7310
31	6200	—	10500	18200	—	16700	—	13000	—	12300	8680	—
TOTAL	198630	184490	297500	427030	433510	729700	467400	660420	280830	262570	551960	237720
MEAN	6408	6150	9597	13780	14950	23540	15580	21300	9361	8470	17810	7924
MAX	8940	10500	14600	19400	20500	33000	24800	33600	12300	12300	30200	10500
MIN	5560	5210	6250	6240	7300	13400	11000	8250	6980	7110	7600	5780

CAL YR 1983 TOTAL 4507030 MEAN 12350 MAX 58000 MIN 5210 MEAN† 12930 CFSM† 1.49 IN† 20.28

WTR YR 1984 TOTAL 4731780 MEAN 12930 MAX 33600 MIN 5210 MEAN† 13140 CFSM† 1.52 IN† 20.68

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARKS HILL RESERVOIR.

02197520 BRIER CREEK NEAR THOMSON, GA.

LOCATION.—Lat 33°22'06", long 82°28'06", McDuffie County, Hydrologic Unit 03060108, on downstream side of bridge on State Highway 17, 0.2 mi upstream from Sweetwater Creek, and 6.9 mi south of Thomson.

DRAINAGE AREA.—53 mi², approximately.

PERIOD OF RECORD.—July 1967 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 300 ft, from topographic map.

REMARKS.—Records fair except those of beaverdam effect, Oct. 1 to Nov. 24 and those of no gage height record, Dec. 3-30 and May 12 to June 14, which are poor.

AVERAGE DISCHARGE.—17 years, 50.4 ft³/s, 12.35 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 4,810 ft³/s Mar. 3, 1971, gage height, 18.09 ft, from floodmark; minimum daily, 0.24 ft³/s Sept. 24, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.—A discharge of 0.007 ft³/s was measured on Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 19	1000	1040	10.25	Apr. 10	0400	1110	10.48
Feb. 27	2100	1280	11.00	May 4	1000	*3270	15.62
Mar. 28	2400	1990	12.98				

Minimum daily discharge, 0.63 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	3.5	22	40	71	127	119	138	20	14	17	1.8
2	.88	3.7	39	38	64	107	100	79	16	25	30	2.1
3	.63	4.1	80	37	62	95	213	123	13	14	49	1.9
4	.88	4.5	170	35	94	85	332	1790	12	9.0	20	1.9
5	1.1	5.0	94	34	87	156	369	288	10	5.9	12	2.4
6	1.2	5.7	250	34	64	559	166	148	8.8	7.0	12	2.6
7	1.1	5.7	365	32	55	285	122	108	7.8	23	8.3	1.8
8	1.4	6.5	55	30	52	159	100	89	7.0	8.4	5.5	1.6
9	4.2	7.1	43	26	50	121	207	72	6.4	5.1	4.1	1.8
10	4.1	9.0	36	94	49	102	671	61	6.0	4.1	3.9	1.9
11	2.8	9.3	79	485	48	93	214	54	5.5	3.4	8.3	1.9
12	2.7	9.6	150	141	48	84	146	48	5.0	3.3	6.3	1.7
13	2.5	11	130	88	66	142	117	39	4.5	2.9	4.8	1.6
14	2.1	12	76	73	233	125	102	34	3.6	3.2	4.3	1.4
15	2.0	15	64	64	121	93	93	30	3.3	3.6	3.5	1.3
16	1.5	13	53	63	80	82	80	27	3.0	3.2	2.7	1.1
17	1.3	7.7	47	58	67	78	70	24	2.7	4.7	2.5	.95
18	1.4	4.3	42	[illegible]	59	81	63	21	2.6	7.8	2.5	1.1
19	1.3	4.2	39	747	54	73	57	19	2.3	20	2.5	1.2
20	1.4	7.4	36	215	51	72	266	17	2.1	8.4	2.5	1.3
21	2.7	13	38	121	48	201	204	15	2.8	4.6	2.5	1.1
22	3.3	4.3	130	91	51	105	114	23	14	8.8	2.4	1.1
23	7.7	4.3	88	79	375	77	147	70	12	4.4	2.2	.90
24	10	41	58	117	177	68	98	45	6.7	3.0	4.3	1.3
25	3.2	79	45	201	103	414	73	29	7.0	2.3	2.4	.88
26	2.7	40	39	133	78	246	60	20	4.9	17	2.0	.77
27	2.8	28	33	292	523	133	69	45	3.9	14	2.0	1.3
28	3.0	36	92	209	608	737	96	100	3.6	7.3	2.1	.82
29	3.1	40	80	121	183	1010	67	60	11	13	2.0	.86
30	3.2	35	60	94	—	233	59	45	27	33	2.4	.76
31	3.3	—	44	81	—	149	—	27	—	32	2.0	—
TOTAL	80.27	468.9	2577	3987	3621	6102	4594	3688	234.5	315.4	228.0	43.14
MEAN	2.59	15.6	83.1	129	125	197	153	119	7.82	10.2	7.35	1.44
MAX	10	79	365	747	608	1010	671	1790	27	33	49	2.6
MIN	.63	3.5	22	26	48	68	57	15	2.1	2.3	2.0	.76
CFSM	.05	.28	1.51	2.35	2.27	3.58	2.78	2.16	.14	.19	.13	.03
IN.	.05	.32	1.74	2.70	2.45	4.13	3.11	2.49	.16	.21	.15	.03

CAL YR 1983 TOTAL 26333.39 MEAN 72.7 MAX 2050 MIN .43 CFSM 1.32 IN 17.95
WTR YR 1984 TOTAL 25939.21 MEAN 70.9 MAX 1790 MIN .63 CFSM 1.29 IN 17.54

02197600 BRUSHY CREEK NEAR WRENS, GA.

LOCATION.—Lat 33°10'37", long 82°18'20", Jefferson County, Hydrologic Unit 03060201, at right bank on downstream side of bridge on State Highway 80, 5 mi southeast of Wrens, and 5.5 mi upstream from Little Brushy Creek.

DRAINAGE AREA.—28.0 mi².

PERIOD OF RECORD.—May 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 282.56 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

AVERAGE DISCHARGE.—26 years, 26.9 ft³/s, 13.05 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 8.03 ft Mar. 3, 1971 (discharge not determined); minimum daily discharge, 4.0 ft³/s July 24, 25, 27-29, 1981.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 28	0100	328	5.40	Mar. 25	1800	*414	5.72

Minimum daily discharge, 9.1 ft³/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	10	27	23	26	53	33	27	25	24	38	12
2	10	11	25	22	25	45	30	26	20	20	74	12
3	10	10	24	22	24	39	58	33	18	18	76	11
4	9.9	10	52	21	25	33	95	83	17	17	38	13
5	9.9	11	35	20	24	50	171	39	17	15	29	12
6	10	11	115	20	22	102	82	29	16	16	28	12
7	10	11	136	20	23	68	53	26	15	29	24	11
8	10	11	52	19	21	47	40	25	15	18	21	11
9	10	11	38	18	21	38	50	22	15	15	19	11
10	10	11	32	27	20	34	50	21	15	15	19	12
11	10	12	39	44	20	32	40	20	14	14	19	11
12	11	12	82	29	20	31	34	20	13	13	18	10
13	22	12	49	24	35	49	31	19	13	12	18	10
14	16	14	40	22	89	41	40	18	13	13	17	11
15	13	26	34	22	44	34	64	17	13	12	16	11
16	12	27	29	22	31	34	34	17	13	12	15	11
17	11	17	27	20	28	34	29	17	12	12	15	10
18	11	15	26	26	25	33	27	16	12	26	15	10
19	11	14	25	76	24	29	26	16	12	73	15	11
20	11	33	25	38	24	33	114	16	11	35	16	11
21	11	30	27	29	22	78	69	15	15	22	15	10
22	11	19	38	26	24	39	45	16	41	21	15	11
23	47	16	34	24	51	31	126	18	23	20	15	10
24	26	78	28	35	33	28	58	17	19	18	14	10
25	15	168	25	54	27	276	38	16	28	16	14	10
26	13	53	24	39	24	166	31	45	17	16	14	9.9
27	12	37	24	64	155	78	32	94	17	24	13	9.1
28	11	42	31	49	196	88	42	51	16	71	13	10
29	11	45	34	36	77	69	33	54	54	140	12	11
30	10	31	27	30	—	50	30	41	63	64	13	10
31	10	—	24	27	—	39	—	27	—	42	13	—
TOTAL	404.8	808	1228	948	1180	1801	1605	901	590	863	681	324.0
MEAN	13.1	26.9	39.6	30.6	40.7	58.1	53.5	29.1	19.7	27.8	22.0	10.8
MAX	47	168	136	76	196	276	171	94	63	140	76	13
MIN	9.9	10	24	18	20	28	26	15	11	12	12	9.1
CFSM	.47	.96	1.41	1.09	1.45	2.08	1.91	1.04	.70	.99	.79	.39
IN.	.54	1.07	1.63	1.26	1.57	2.39	2.13	1.20	.78	1.15	.90	.43

CAL YR 1983 TOTAL 10632.6 MEAN 29.2 MAX 292 MIN 6.7 CFSM 1.04 IN 14.15
WTR YR 1984 TOTAL 11333.8 MEAN 31.0 MAX 276 MIN 9.1 CFSM 1.11 IN 15.06

02197830 BRIER CREEK NEAR WAYNESBORO, GA.

LOCATION.—Lat 33°07'05", long 81°57'50", Burke County, Hydrologic Unit 03060108, near left bank on downstream end of pier of bridge on State Highway 56, 3.8 mi northeast of Waynesboro.
DRAINAGE AREA.—473 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1969 to current year.
GAGE.—Water-stage recorder. Datum of gage is 173.78 ft, National Geodetic Vertical Datum of 1929.
REMARKS.—Records good.
AVERAGE DISCHARGE.—15 years, 491 ft³/s, 14.10 in/yr.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 10,800 ft³/s Mar. 15, 1971, gage height, 12.28 ft; minimum, 79 ft³/s Oct. 4, 5, 1981, gage height, 1.97 ft.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,900 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 2	0400	2420	8.02	Apr. 8	0300	1900	7.59
Mar. 28	1700	2550	8.14	May 7	0500	*3400	8.85
Apr. 1	0700	2290	7.92				

Minimum discharge, 123 ft³/s Sept. 18, gage height, 2.66 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	198	714	560	1000	1630	2090	640	720	429	676	167
2	185	196	641	589	784	2200	1380	654	692	417	818	162
3	186	197	598	575	650	1430	1030	621	521	393	706	157
4	174	199	601	506	595	981	971	748	406	372	678	150
5	159	198	533	456	550	795	1420	879	343	307	609	150
6	154	197	542	429	532	821	1420	1390	302	273	569	155
7	153	198	625	423	531	881	1710	3040	275	254	516	153
8	150	206	731	423	569	927	1760	1770	252	234	421	148
9	152	206	1090	416	591	1360	1350	1070	234	245	346	143
10	151	212	1540	441	551	1450	1060	775	222	238	324	142
11	149	215	1440	495	507	1060	933	638	212	240	306	143
12	154	213	1080	485	486	824	878	561	205	214	265	146
13	160	213	873	520	522	752	1310	504	201	190	285	146
14	163	220	792	588	770	729	1280	460	203	182	286	141
15	174	260	796	1080	704	702	960	425	204	185	263	135
16	196	288	1110	972	726	707	880	400	187	179	232	132
17	194	304	975	700	831	754	871	377	176	176	212	128
18	183	360	741	608	1010	740	736	346	170	192	204	124
19	175	421	626	636	861	658	658	322	165	339	209	126
20	172	484	567	654	672	620	673	298	161	629	263	132
21	171	542	536	695	585	670	748	281	163	612	380	132
22	170	482	551	949	552	697	823	272	269	503	433	129
23	205	464	549	1500	629	729	1240	306	300	406	294	132
24	268	491	546	1080	622	734	1420	448	348	355	240	135
25	295	587	539	856	611	936	1170	428	380	296	210	135
26	368	609	536	748	684	1060	972	372	381	250	190	136
27	352	792	540	794	1270	1330	904	487	325	240	180	133
28	288	1290	552	890	1490	2310	849	511	281	262	176	131
29	241	1400	521	1030	1290	2010	772	621	292	447	172	135
30	215	997	500	993	—	1320	684	1600	406	472	171	139
31	202	—	523	1080	—	1290	—	991	—	576	167	—
TOTAL	6138	12639	22508	22171	21175	33107	32952	22235	8996	10107	10801	4217
MEAN	198	421	726	715	730	1068	1098	717	300	326	348	141
MAX	368	1400	1540	1500	1490	2310	2090	3040	720	629	818	167
MIN	149	196	500	416	486	620	658	272	161	176	167	124
CFSM	.42	.89	1.54	1.51	1.54	2.26	2.32	1.52	.63	.69	.74	.30
IN.	.48	.99	1.77	1.74	1.67	2.60	2.59	1.75	.71	.79	.85	.33

CAL YR 1983 TOTAL 209239 MEAN 573 MAX 3210 MIN 99 CFSM 1.21 IN 16.46
WTR YR 1984 TOTAL 207046 MEAN 566 MAX 3040 MIN 124 CFSM 1.20 IN 16.28

02197830 BRIER CREEK NEAR WAYNESBORO, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1958 to June 1958, December 1977 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
26...	1300	375	16.0	6	6.1
DEC					
05...	1500	520	14.0	5	7.0
JAN					
18...	1415	598	8.0	5	8.1
FEB					
27...	1400	1430	11.0	18	69
APR					
09...	1330	1330	16.0	16	57
MAY					
22...	1245	270	21.0	9	6.6
JUL					
05...	1200	305	24.5	6	4.9

02198000 BRIER CREEK AT MILLHAVEN, GA.

LOCATION.—Lat 32°56'00", long 81°39'05", Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of highway bridge at Millhaven, 8.5 mi upstream from Beaver Dam Creek.

DRAINAGE AREA.—646 mi^2.

PERIOD OF RECORD.—October 1936 to current year. Monthly discharges only for some periods, published in WSP 1303.

REVISED RECORDS.—WSP 1382: Drainage area. WSP 1503: 1956.

GAGE.—Water-stage recorder. Datum of gage is 95.88 ft, National Geodetic Vertical Datum of 1929. Prior to June 7, 1950, nonrecording gage at site 200 ft downstream at same datum. June 7, 1950, to Apr. 30, 1951, nonrecording gage at present site and datum.

REMARKS.—Records good. Records of chemical analyses for the 1970-79 water years are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—48 years, 661 ft^3/s, 13.90 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 25,400 ft^3/s Aug. 16, 1940, gage height, 17.4 ft, from graph based on gage readings; minimum daily, 64 ft^3/s Sept. 5-11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1797, 25.1 ft in September or October 1929, from information by Georgia Department of Transportation; discharge, 64,000 ft^3/s, by slope-conveyance study.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 4	1000	2250	8.49	Apr. 10	0700	2120	8.27
Mar. 30	1800	2680	9.17	May 9	0900	*2870	9.43
Apr. 3	1400	2200	8.41	June 1	1000	2300	8.57

Minimum discharge, 150 ft^3/s Sept. 20, 21, gage height, 0.94 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	260	1250	721	1200	2040	1760	1260	2170	434	723	224
2	199	234	1230	643	1190	1710	1520	1080	1510	472	733	219
3	203	221	992	633	1240	1740	2090	969	1020	517	923	212
4	204	216	834	661	1140	2200	1930	1220	862	494	1070	208
5	206	214	770	686	990	1830	1710	1220	738	470	1010	201
6	197	214	781	681	872	1640	1540	1090	584	437	861	195
7	184	215	848	630	785	1570	1700	1090	466	394	790	192
8	177	221	816	566	728	1400	1720	1480	397	359	712	191
9	191	227	765	523	700	1290	1890	2740	351	313	653	187
10	188	234	749	520	701	1230	2070	2000	319	281	572	184
11	182	233	794	549	735	1390	1800	1360	294	268	467	185
12	179	234	1100	566	756	1670	1480	1010	274	266	426	182
13	226	234	1540	599	804	1530	1260	841	258	261	450	174
14	268	235	1380	617	1030	1360	1160	724	252	253	381	175
15	218	250	1110	600	1120	1180	1270	637	255	227	336	173
16	202	281	938	624	1350	1080	1520	565	244	213	331	169
17	198	301	884	760	1240	1000	1280	509	239	209	316	163
18	206	313	930	1110	1050	974	1110	471	228	223	289	157
19	211	320	1160	1080	1030	973	1070	441	212	243	263	153
20	204	338	996	947	1140	1010	1070	414	196	273	252	152
21	194	417	850	846	1190	1100	1040	390	193	328	263	153
22	192	515	786	806	1050	1090	995	364	228	531	289	158
23	199	585	762	783	980	1020	1150	387	249	720	347	161
24	224	626	732	854	938	974	1440	363	288	747	707	158
25	241	674	697	1420	950	1050	1760	358	329	580	636	161
26	272	694	657	1580	936	1360	1720	409	378	475	487	161
27	284	719	639	1390	1070	1540	1510	476	395	453	342	161
28	304	731	637	1280	1460	1650	1310	515	431	446	285	159
29	335	735	748	1150	1810	2000	1260	699	426	446	255	175
30	340	876	844	1120	—	2570	1530	1010	493	495	240	189
31	303	—	822	1150	—	2340	—	1460	—	683	231	—
TOTAL	6933	11567	27981	26100	30185	45531	44665	27552	14299	12511	15660	5334
MEAN	224	386	903	842	1041	1469	1489	889	477	404	505	178
MAX	340	876	1540	1580	1810	2570	2090	2740	2170	747	1070	224
MIN	177	214	637	520	700	973	995	358	193	209	231	152
CFSM	.35	.60	1.40	1.30	1.61	2.27	2.31	1.38	.74	.63	.78	.28
IN.	.40	.67	1.61	1.50	1.74	2.62	2.57	1.59	.82	.72	.90	.31

CAL YR 1983 TOTAL 257594 MEAN 706 MAX 3280 MIN 116 CFSM 1.09 IN 14.83
WTR YR 1984 TOTAL 268318 MEAN 733 MAX 2740 MIN 152 CFSM 1.14 IN 15.45

02198500 SAVANNAH RIVER NEAR CLYO, GA.

(National stream-quality accounting network station)
(Radiochemical program station)
(Tritium network)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, Ga.-Jasper County, S.C., Hydrologic Unit 03060109, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi north of Clyo, and at mile 60.9.

DRAINAGE AREA.--9,850 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft, National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500).

AVERAGE DISCHARGE.--51 years, 12,090 ft³/s, 16.67 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft³/s Oct. 6, 1929, gage height, 29.7 ft, present datum (from information by U.S. Army Corps of Engineers), from rating curve extended above 120,000 ft³/s; minimum daily discharge, 1,950 ft³/s Sept. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,700 ft³/s May 14, gage height, 16.48 ft; minimum daily discharge, 5,720 ft³/s Nov. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6730	6480	7210	12100	20800	19700	17200	23400	13400	9200	12100	9100
2	6560	6310	7130	11900	20600	20900	17600	25300	13900	8200	13100	9000
3	6340	6170	7330	10800	20200	21900	18200	26700	14200	8000	14000	8650
4	6130	6040	7760	9750	19700	22900	18700	28100	14200	8500	14800	7970
5	6050	6010	8010	10400	19200	24100	18500	28600	13600	9660	15500	7560
6	6040	6170	8000	10700	18700	27300	17900	28400	12100	10200	16200	8310
7	6130	6330	9030	10400	18200	31900	17400	27700	10900	9940	16900	9470
8	6660	6260	10700	10100	17700	35400	17200	27100	10900	9100	17900	9960
9	6730	6130	11700	9110	16500	35900	17400	27000	11200	8610	19200	9770
10	6630	6040	12600	8040	15400	35700	17700	27900	11300	8380	21500	8630
11	6600	6100	13200	7500	14600	33200	17800	30200	11000	8340	25100	7580
12	6480	6090	13400	8110	14100	32600	17400	33600	9740	8350	28800	7500
13	6500	5950	11900	9780	13200	33900	16900	36300	8640	7970	31000	[illegible]
14	7860	5850	10300	11500	11200	36000	16600	37500	9520	7960	32000	8880
15	8840	5770	10500	12700	10600	36800	16500	37500	10400	8360	32200	10000
16	7970	5720	10800	13600	11800	35500	16300	38400	10900	8360	31200	10200
17	6960	5750	10300	14300	13000	33100	16100	34100	11200	7870	29600	8810
18	6510	5960	10800	14900	14100	30900	15500	31500	11200	7580	27300	7450
19	6110	6350	11600	15300	15000	29300	14700	28900	10100	7760	24800	7110
20	6160	6990	11500	15500	15900	28400	14100	26600	8390	8040	22800	7380
21	6370	6920	10200	15600	16500	28000	13600	24600	8220	8850	21200	7770
22	6270	6590	9930	15800	17200	27700	13400	23300	9330	10000	19500	8100
23	6410	6470	10200	16100	17600	26900	14200	22300	10100	10100	16800	7990
24	6540	6450	10700	16600	17400	25300	15200	20700	10400	9430	13300	7230
25	6690	6500	11000	17300	17100	23500	16000	18000	9990	8890	11200	6400
26	6990	6650	10500	18100	16900	21900	16700	15000	8790	8640	10700	6820
27	7330	8410	9990	19000	17300	20200	17700	12200	7800	9070	10100	7660
28	7360	10100	11300	19800	18100	18900	18800	10500	7640	9510	9420	8140
29	6990	9410	12400	20400	18900	17900	20100	11100	8290	10000	8760	8470
30	6660	7850	12700	20800	—	17400	21600	12000	9620	10500	8580	8140
31	6580	—	12400	20800	—	17100	—	12700	—	11100	8970	—
TOTAL	208180	197800	325090	426790	477500	849200	507000	785200	316970	276470	584530	247850
MEAN	6715	6593	10490	13770	16470	27390	16900	25330	10570	8918	18860	8262
MAX	8840	10100	13400	20800	20800	36800	21600	37500	14200	11100	32200	10200
MIN	6040	5720	7130	7500	10600	17100	13400	10500	7640	7580	8580	6400

CAL YR 1983 TOTAL 4880550 MEAN 13370 MAX 37900 MIN 5720 MEAN† 13950 CFSM† 1.42 IN† 19.22
WTR YR 1984 TOTAL 5202380 MEAN 14210 MAX 37500 MIN 5720 MEAN† 14420 CFSM† 1.46 IN† 19.93

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARKS HILL RESERVOIR.

02198500 SAVANNAH RIVER NEAR CLYO, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1938 to April 1939, October 1964 to current year.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: January 1974 to July 1977.
WATER TEMPERATURES: May 1938 to April 1939, January 1974 to July 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos June 14, 1977; minimum daily, 42 micromhos July 5, 1974.
WATER TEMPERATURES: Maximum daily, 27°C Aug. 23, 1975, July 9, 13, 1977; minimum daily recorded 4.0°C Jan. 22-24, 26, 30, Feb. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
11...	0925	6610	90	85	7.3	7.1	21.0	21.0	7.3	82
NOV										
01...	0830	6500	82	84	7.2	7.1	17.0	16.0	8.2	85
19...	1300	6370	87	90	6.5	7.1	15.0	—	8.6	85
DEC										
13...	0915	12300	77	74	6.9	6.9	12.5	11.5	8.2	77
JAN										
10...	1200	8010	78	74	7.1	7.0	9.5	19.0	8.4	74
FEB										
14...	1030	11300	62	76	7.0	7.1	11.5	20.5	9.0	83
26...	1330	16900	60	—	7.0	—	10.5	—	9.5	85
MAR										
07...	0845	31500	48	46	6.8	7.0	12.0	9.0	8.0	74
APR										
03...	1100	18300	61	60	6.8	6.9	15.0	17.0	7.2	71
MAY										
08...	1005	27100	59	58	6.8	7.1	21.0	31.0	6.0	67
2[illegible]...	1800	20100	71	69	5.9	7.0	22.5	—	5.8	67
JUN										
05...	0940	13800	68	67	7.0	7.1	22.0	29.0	6.6	75
JUL										
10...	0845	8520	88	86	7.1	7.2	26.5	29.0	6.2	77
AUG										
0[illegible]...	1010	17000	57	56	6.6	6.9	24.0	29.5	5.8	69
15...	1545	32100	5[illegible]	56	6.6	6.9	25.5	—	6.2	75
SEP										
11...	0940	7750	79	76	6.9	7.2	23.0	25.0	8.4	98

02198500 SAVANNAH RIVER NEAR CLYO, GA—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT											
11...	30	6.0	10	1.0	460	—	—	—	—	—	—
NOV											
01...	40	6.0	12	.5	330	—	—	—	—	—	—
19...	—	—	—	—	—	2900	260	—	—	—	—
19...	—	5.7	—	—	—	—	—	17	0	4.7	1.3
DEC											
13...	100	19	25	2.0	230	—	—	—	—	—	—
JAN											
10...	35	11	15	.9	330	—	—	—	—	—	—
FEB											
14...	50	23	10	.7	20	—	—	—	—	—	—
26...	—	—	—	—	—	K900	200	—	—	—	—
MAR											
07...	100	23	11	1.5	80	—	—	—	—	—	—
APR											
03...	110	23	16	1.2	80	—	—	—	—	—	—
MAY											
08...	90	15	16	.9	<20	—	—	—	—	—	—
24...	—	—	—	—	—	K650	410	—	—	—	—
24...	—	9.8	—	—	—	—	—	17	0	4.6	1.4
JUN											
05...	60	16	4	.5	490	—	—	—	—	—	—
JUL											
10...	40	11	—	.7	80	—	—	—	—	—	—
AUG											
07...	45	15	—	.8	50	—	—	—	—	—	—
15...	—	—	—	—	—	80	680	—	—	—	—
15...	—	4.1	—	—	—	—	—	15	0	4.2	1.2
SEP											
11...	35	10	—	1.4	410	—	—	—	—	—	—

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT										
11...	—	—	—	—	21	2.0	—	—	—	—
NOV										
01...	—	—	—	—	19	2.3	—	—	—	—
19...	—	—	—	—	—	—	—	—	—	—
19...	11	36	1	1.5	23	14	9.4	8.6	<.10	9.4
DEC										
13...	—	—	—	—	16	3.9	—	—	—	—
JAN										
10...	—	—	—	—	22	3.4	—	—	—	—
FEB										
14...	—	—	—	—	19	3.7	—	—	—	—
26...	—	—	—	—	—	—	—	—	—	—
MAR										
07...	—	—	—	—	12	3.7	—	—	—	—
APR										
03...	—	—	—	—	16	4.9	—	—	—	—
MAY										
08...	—	—	—	—	17	5.2	—	—	—	—
24...	—	—	—	—	—	—	—	—	—	—
24...	6.9	44	.7	1.4	19	46	6.2	6.0	.10	8.4
JUN										
05...	—	—	—	—	19	3.7	—	—	—	—
JUL										
10...	—	—	—	—	21	3.2	—	—	—	—
AUG										
07...	—	—	—	—	18	8.8	—	—	—	—
15...	—	—	—	—	—	—	—	—	—	—
15...	4.6	37	.5	1.4	17	8.3	3.7	4.0	<.10	9.2
SEP										
11...	—	—	—	—	22	5.4	—	—	—	—

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
11...	—	—	—	—	13	.070	—	—	2.8
NOV									
01...	—	—	—	—	14	—	—	—	5.9
19...	64	60	1100	.09	—	.080	.050	.040	—
DEC									
13...	—	—	—	—	13	.110	—	—	11
JAN									
10...	—	—	—	—	10	.080	—	—	6.2
FEB									
14...	—	—	—	—	21	.050	—	—	6.0
26...	—	—	—	—	—	.030	.020	.020	—
MAR									
07...	—	—	—	—	7	.080	—	—	6.6
APR									
03...	—	—	—	—	3	.050	—	—	8.5
MAY									
08...	—	—	—	—	4	.060	—	—	7.6
24...	62	47	3340	.08	—	.060	.040	.040	—
JUN									
05...	—	—	—	—	29	.100	—	—	5.9
JUL									
10...	—	—	—	—	11	.080	—	—	4.6
AUG									
07...	—	—	—	—	2	.060	—	—	7.7
15...	91	39	7890	.12	—	.050	.030	.030	—
SEP									
11...	—	—	—	—	16	.140	—	—	4.0

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)
OCT							
11...	.27	—	<.020	—	—	.20	.47
NOV							
01...	.28	—	.040	—	.16	.20	.48
19...	—	.32	—	.090	—	.60	—
DEC							
13...	.19	—	.080	—	.22	.30	.49
JAN							
10...	.35	—	.100	—	.20	.30	.65
FEB							
14...	.19	—	.090	—	.31	.40	.59
26...	—	.21	—	.090	—	.40	—
MAR							
07...	.08	—	.250	—	.85	1.1	1.2
APR							
03...	.17	—	.060	—	.54	.60	.77
MAY							
08...	.20	—	.040	—	.26	.30	.50
24...	—	.33	—	.160	—	.40	—
JUN							
05...	.33	—	.090	—	.21	.30	.63
JUL							
10...	.30	—	.060	—	—	—	—
AUG							
07...	.17	—	.040	—	—	—	—
15...	—	<.10	—	.030	—	.20	—
SEP							
11...	.34	—	.040	—	—	—	—

02198500 SAVANNAH RIVER NEAR CLYO, GA—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV 19...	20	<1	85	<.5	<1	<1	<3	1	170	3
MAY 24...	20	<1	27	<.0	<1	<1	<3	1	630	4
AUG 15...	30	1	12	<.0	<1	<1	<3	1	380	3

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 19...	<4	10	.2	<10	1	<1	<1	31	<6	31
MAY 24...	<4	30	.6	<10	1	<1	<1	35	<6	6
AUG 15...	5	19	.3	<10	2	<1	1	30	<6	<3

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 19...	1300	—	4	—	26
FEB 26...	1330	16900	7	329	72
MAY 24...	1800	19900	10	527	93
AUG 15...	1545	31200	5	430	80

02198500 SAVANNAH RIVER NEAR CLYO, GA—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TRITIUM IN WATER MOLE-CULES (TU)	TRITIUM WATER MOLE-CULES COUNT ERROR (TU)
OCT				
11...	0925	6610	1220	20.0
NOV				
01...	0830	6500	1120	20.0
DEC				
13...	0915	12300	1220	20.0
JAN				
10...	1205	8010	1310	20.0
FEB				
14...	1035	11300	1010	20.0
MAR				
07...	0850	31500	636	15.0
APR				
03...	1105	18300	765	16.0
MAY				
08...	1010	27100	617	13.0
JUN				
05...	0945	13800	834	13.0

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
NOV										
19...	1300	6370	<.6	<1.1	<.7	2.0	<.6	1.8	.07	.05

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN

02178500 LAKE BURTON.—Lat 34°47'37", long 83°32'26", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 5.5 mi downstream from bridge on U.S. Highway 76, 10 mi southwest of Clayton, Ga. DRAINAGE AREA, 115 mi^2. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.). Lake is formed by concrete gravity dam. Spillway, crest elevation, 1,860.0 ft is equipped with eight gates 22 ft wide by 6.6 ft high. Dam completed in 1919. Total capacity at elevation 1,866.6 ft, top of gates, is 108,000 acre-ft, of which 106,000 acre-ft is usable storage. Lake is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	1862.4	96200	-	-
Oct. 31................	1863.0	97800	+1600	+26
Nov. 30................	1860.4	91000	-6800	-114
Dec. 31................	1857.2	83100	-7900	-128
CAL YR 1983	-	-	-7400	-10
Jan. 31................	1857.7	84300	+1200	+20
Feb. 29................	1859.5	88700	+4400	+76
Mar. 31................	1861.3	93400	+4700	+76
Apr. 30................	1863.5	99200	+5800	+97
May 31................	1864.8	103000	+3800	+62
June 30................	1864.2	101000	-2000	-34
July 31................	1864.7	103000	+2000	+33
Aug. 31................	1864.1	101000	-2000	-33
Sept. 30................	1864.4	102000	+1000	+17
WTR YR 1984	-	-	+5800	+8

† Elevation at 0700 on day following that shown in first column.

02179500 MATHIS RESERVOIR.—Lat 34°47'03", long 83°24'57", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 1 mi upstream from bridge on U.S. Highway 23, 1.8 mi south of Lakemont, Ga. DRAINAGE AREA, 151 mi^2. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.). Reservoir is formed by concrete slab and buttress dam. Spillway, crest elevation, 1,682.75 ft is equipped with 16 gates 15.8 ft wide by 6.85 ft high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft, top of gates, is 31,200 acre-ft, of which 23,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	1687.1	29200	-	-
Oct. 31................	1679.6	23900	-5300	-86
Nov. 30................	1686.3	28600	+4700	+79
Dec. 31................	1687.3	29500	+900	+15
CAL YR 1983	-	-	-800	-1
Jan. 31................	1686.9	29100	-400	-7
Feb. 29................	1687.9	29800	+700	+12
Mar. 31................	1686.6	28800	-1000	-16
Apr. 30................	1687.4	29400	+600	+10
May 31................	1687.6	29600	+200	+3
June 30................	1688.7	30500	+900	+15
July 31................	1686.9	29100	-1400	-23
Aug. 31................	1688.2	30000	+900	+15
Sept. 30................	1687.5	29500	-500	-17
WTR YR 1984	-	-	+300	0

† Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN—Continued

02187250 **HARTWELL LAKE.**—Lat 34°21'25", long 82°49'20", Hart County, Ga.-Anderson County, S.C., Hydrologic Unit 030060103, in right spillway elevator tower of dam on Savannah River, 0.9 mi upstream from Big Generostee Creek, 6.4 mi east of Hartwell, Ga., and at mile 305.0. DRAINAGE AREA, 2,088 mi^2. PERIOD OF RECORD, October 1959 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Lake is formed by concrete dam with earth embankments at each end; storage began in February 1961, dam completed in 1961. Usable capacity, 1,708,600 acre-ft between elevations 625.0 ft, normal limit of drawdown, and 665.0 ft, top of gates. Dead storage below 625.0 ft, 1,134,100 acre-ft. Elevation of spillway crest, 630.0 ft. Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,871,000 acre-ft Apr. 8, 1964, elevation, 665.47 ft; minimum, after first filling, 1,18[illegible]00 acre-ft Oct. 16, 1961, elevation, 626.70 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,748,500 acre-ft May 8, elevation, 663.44 ft minimum, 2,243,900 acre-ft Oct. 7, elevation, 654.24 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.................	654.78	2271300	-	-
Oct. 31.................	656.07	2337500	+66200	+1077
Nov. 30.................	658.18	2449500	+112000	+1882
Dec. 31.................	662.03	2665400	+215900	+3511
CAL YR 1983	-	-	+150700	+208
Jan. 31.................	661.39	2628500	-36900	-600
Feb. 29.................	661.63	2642300	+13800	+240
Mar. 31.................	662.26	2678800	+36500	+594
Apr. 30.................	662.01	2664200	-14600	-245
May 31.................	661.41	2629700	-34500	-561
June 30.................	661.45	2632000	+2300	+39
July 31.................	662.03	2665400	+33400	+543
Aug. 31.................	659.25	2508000	-157400	-2560
Sept. 30.................	658.64	2474600	-33400	-561
WTR YR 1984	-	-	+203300	+280

02194500 **CLARKS HILL RESERVOIR.**—Lat 33°39'40", long 82°12'00", Columbia County, Ga.-McCormick County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi upstream from Kiokee Creek, and at mile 237.7. DRAINAGE AREA, 6,150 mi^2, approximately. PERIOD OF RECORD, October 1951 to current year. REVISED RECORDS, WSP 1703: 1953. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

Lake is formed by concrete dam with earth dam at each end; storage began in December 1951, dam completed in 1952. Usable capacity, 1,730,000 acre-ft between elevations 305.0 ft, normal limit of drawdown, and 335.0 ft, top of spillway gates. Dead storage below 305.0 ft, 1,170,000 acre-ft. Elevation of spillway crest, 300.0 ft. Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 3,037,600 acre-ft Apr. 9, 1964, elevation, 336.72 ft; minimum, 897,900 acre-ft Feb. 1, 1956, elevation, 296.48 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,755,700 acre-ft Aug. 3, elevation, 333.15 ft; minimum, 2,107,200 acre-ft Nov. 24, elevation, 324.12 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.................	328.06	2374200	-	-
Oct. 31.................	325.38	2186600	-187600	-3051
Nov. 30.................	325.18	2172600	-14000	-235
Dec. 31.................	331.44	2622300	+449700	+7313
CAL YR 1983	-	-	+274700	+379
Jan. 31.................	330.08	2516200	-106100	-1725
Feb. 29.................	332.78	2726800	+210600	+3660
Mar. 31.................	330.86	2577100	-149700	-2435
Apr. 30.................	331.80	2650400	+73300	+1232
May 31.................	331.55	2630900	-19500	-317
June 30.................	329.38	2480600	-150300	-2526
July 31.................	332.73	2722800	+242200	+3939
Aug. 31.................	330.15	2521700	-201100	-3270
Sept. 30.................	327.24	2316800	-204900	-3444
WTR YR 1984	-	-	-57400	-79

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.

LOCATION.—Lat 32°58'32", long 82°36'36", Washington County, Hydrologic Unit 03060201, at bridge on State Highway 231 at Davisboro, 1.2 mi downstream from Central of Georgia Railroad bridge, and 1.9 mi downstream from Sun Hill Creek.

DRAINAGE AREA.—109 mi^2.

PERIOD OF RECORD.—Water years 1979-80 (annual maximum), May 1980 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 270 ft, from topographic map. August 16, 1978, to May 8, 1980, crest-stage gage at same site and datum.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 3,430 ft^3/s Mar. 13, 1980, gage height, 11.13 ft; minimum discharge, 11 ft^3/s July 23-25, 1981.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 650 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1500	*935	8.20	May 29	2230	704	7.75

Minimum daily discharge, 29 ft^3/s Oct. 1, 3-5, Sept. 14-15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	34	130	126	158	282	173	152	129	45	197	32
2	30	35	109	120	149	215	154	125	100	41	412	30
3	29	36	98	119	144	192	186	135	79	44	353	30
4	29	36	167	115	151	174	287	276	69	42	201	34
5	29	37	215	113	152	179	398	251	64	36	118	38
6	31	36	252	112	138	378	346	166	59	33	91	35
7	30	48	428	108	126	443	243	124	55	74	81	33
8	30	41	298	103	118	302	186	102	52	59	66	31
9	30	42	196	100	116	228	202	88	49	42	58	30
10	31	44	148	130	118	189	251	80	47	36	54	32
11	30	45	147	225	116	174	207	74	45	34	66	31
12	34	43	296	240	115	163	174	70	43	33	66	30
13	36	41	331	173	151	201	154	67	42	121	60	30
14	37	43	243	136	303	237	140	66	40	127	56	29
15	35	71	191	123	379	195	136	67	39	52	50	29
16	33	98	154	131	230	169	137	63	38	42	45	36
17	32	77	134	143	173	158	127	59	37	36	42	35
18	33	60	126	154	150	158	121	56	36	56	40	32
19	34	54	119	288	135	152	108	54	33	235	40	33
20	34	120	113	345	128	158	160	52	32	444	39	31
21	35	230	116	236	122	257	212	51	33	222	38	31
22	35	154	174	184	127	237	171	57	46	87	37	32
23	63	80	218	160	274	172	230	169	47	67	37	32
24	114	202	182	194	311	147	234	167	42	58	38	31
25	66	539	138	319	210	273	158	206	40	55	36	31
26	49	387	116	317	165	372	118	119	37	48	34	30
27	42	197	116	282	261	282	122	172	34	74	33	30
28	38	167	147	332	766	343	358	292	32	154	33	30
29	36	235	211	266	480	402	357	550	37	236	32	32
30	35	177	185	210	—	264	216	477	58	274	34	32
31	34	—	142	177	—	200	—	202	—	236	34	—
TOTAL	1183	3409	5640	5781	5966	7296	6066	4589	1494	3143	2521	952
MEAN	38.2	114	182	186	206	235	202	148	49.8	101	81.3	31.7
MAX	114	539	428	345	766	443	398	550	129	444	412	38
MIN	29	34	98	100	115	147	108	51	32	33	32	29
CFSM	.35	1.05	1.67	1.71	1.89	2.16	1.85	1.36	.46	.93	.75	.29
IN.	.40	1.16	1.92	1.97	2.04	2.49	2.07	1.57	.51	1.07	.86	.32

CAL YR 1983 TOTAL 49213 MEAN 135 MAX 1110 MIN 20 CFSM 1.24 IN 16.80
WTR YR 1984 TOTAL 48040 MEAN 131 MAX 766 MIN 29 CFSM 1.20 IN 16.40

02202190 OGEECHEE RIVER NEAR OLIVER, GA.

LOCATION.—Lat 32°29'43", long 81°33'11", Screven-Bulloch County line, Hydrologic Unit 03060202, at bridge on State Highway 24, 0.3 mi upstream from Ogeechee Creek, and 2.0 mi southwest of Oliver.

DRAINAGE AREA.—2,230 mi^2, approximately.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
11...	1145	249	129	127	7.5	7.5	21.0	23.0	7.6	85
NOV										
01...	1015	432	90	91	7.5	7.4	15.0	20.5	8.4	83
DEC										
13...	1045	2750	59	57	6.6	6.6	11.5	11.0	8.4	77
JAN										
10...	1345	2550	61	61	6.8	6.4	7.0	19.0	8.5	71
FEB										
14...	1320	3180	58	60	6.8	7.0	12.5	21.0	8.4	79
MAR										
07...	1040	8200	48	45	6.7	7.1	13.0	10.0	8.3	79
APR										
03...	1235	7150	56	56	6.8	6.9	15.0	19.0	7.4	73
MAY										
08...	1230	4000	67	64	6.9	7.3	22.0	30.5	5.7	65
JUN										
05...	1130	3500	58	59	6.8	7.1	21.5	30.5	6.6	74
JUL										
10...	1115	770	80	80	7.1	7.2	26.5	31.5	5.4	67
AUG										
07...	1245	3400	57	57	—	7.0	26.0	31.5	5.6	69
SEP										
11...	1150	365	110	106	7.0	7.5	24.0	27.0	7.6	90

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
11...	30	5.0	1.0	80	2.5	41	3	.27	.040	.100	3.7
NOV											
01...	50	5.0	.4	110	1.7	28	6	.08	.050	.190	6.4
DEC											
13...	60	6.0	1.8	80	5.8	12	1	<.02	.120	.050	15
JAN											
10...	40	5.0	.8	110	7.7	25	1	.02	.050	.040	9.3
FEB											
14...	50	8.0	1.5	90	4.6	15	5	<.02	.050	.030	9.9
MAR											
07...	95	13	1.2	60	5.4	14	4	<.02	.040	.050	8.2
APR											
03...	120	12	1.0	50	5.5	18	<1	.04	.020	.060	15
MAY											
08...	140	10	.7	110	5.1	21	3	.19	.050	.080	11
JUN											
05...	110	15	.9	330	5.5	18	23	.10	.020	.050	11
JUL											
10...	70	8.0	.8	80	4.3	28	<1	.22	.060	.070	6.1
AUG											
07...	110	13	.9	130	—	17	<1	<.02	.040	.080	11
SEP											
11...	45	7.0	.4	<20	7.4	38	4	.35	.060	.080	4.9

02202500 OGEECHEE RIVER NEAR EDEN, GA.
(National stream-quality accounting network station)

LOCATION.—Lat 32°11'29", long 81°24'58", Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 ft downstream from bridge on U.S. Highway 80, 2 mi west of Eden, 2 mi upstream from Seaboard Coast Line Railroad bridge, and 3 mi upstream from Black Creek.

DRAINAGE AREA.—2,650 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Water-stage recorder. Datum of gage is 19.64 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft upstream at same datum.

REMARKS.—Records good.

AVERAGE DISCHARGE.—47 years, 2,360 ft^3/s, 12.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 28,800 ft^3/s Mar. 19, 1980, gage height, 14.77 ft; minimum observed, 131 ft^3/s Sept. 12-14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1840, 20 ft in October 1929, from data furnished by Central of Georgia Railway Co.

Flood of January 1925, reached a stage of 19.5 ft, from information as explained above.

Flood of April 1936, reached a stage of 15.2 ft, from information as explained above, discharge, 30,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 4,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 3	2200	6550	9.78	Apr. 12	2300	7840	10.23
Mar. 9	1100	*10900	*11.02	May 7	1100	5670	9.40

Minimum discharge, 283 ft^3/s Sept. 27, gage height, 0.53 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	477	431	928	3020	5730	5190	5550	3400	2210	729	2450	1220
2	477	456	990	2950	6120	5970	6090	3470	2600	809	2900	1160
3	459	477	1050	2870	6480	6360	6610	3790	2670	1000	3100	1010
4	414	490	1110	2790	6440	6650	6900	4500	2610	1250	2930	824
5	375	487	1180	2740	6060	7140	7080	4730	2600	1330	2610	679
6	348	463	1280	2700	5550	8410	7100	5160	2760	1220	2330	583
7	325	438	1400	2670	5020	9890	7030	5600	3040	1060	2200	520
8	310	434	1550	2630	4600	10400	6920	5160	3190	910	2290	476
9	298	429	1740	2570	4270	10800	6850	4520	3090	817	2710	446
10	288	426	2000	2530	4040	10400	6970	4070	2820	790	3470	422
11	285	416	2200	2450	3860	10300	7170	3700	2470	757	4040	404
12	288	401	2370	2370	3670	9920	7630	3470	2130	722	4010	392
13	292	391	2440	2320	3550	9320	7770	3250	1840	701	3660	389
14	288	387	2490	2280	3620	8420	7330	2990	1610	682	3270	385
15	290	389	2540	2230	3490	7550	6760	2740	1380	670	2870	379
16	315	398	2550	2170	3430	6840	6290	2580	1140	657	2480	379
17	318	402	2530	2110	3390	6310	5900	2690	936	664	2130	383
18	312	407	2580	2070	3280	5990	5510	2980	800	661	1840	381
19	312	414	2780	2090	3200	5890	5010	3070	696	681	1590	364
20	320	433	3010	2110	3280	5840	4510	2880	612	710	1400	344
21	335	462	3460	2150	3590	5630	4060	2560	552	739	1240	328
22	342	485	3950	2220	4050	5260	3660	2240	512	705	1110	316
23	352	518	4130	2300	4350	4910	3650	1950	490	854	1060	306
24	360	548	3950	2500	4230	4650	3680	1700	520	920	1020	299
25	362	610	3650	2910	3910	4450	3700	1500	544	895	981	293
26	362	675	3390	3340	3610	4320	4070	1340	527	848	952	289
27	355	742	3200	4380	3650	4390	4550	1200	552	838	960	283
28	348	780	3110	5240	3990	4740	4570	1130	604	901	1030	289
29	352	814	3190	5570	4380	5070	4170	1160	619	1070	1100	364
30	370	862	3170	5670	—	5220	3710	1330	671	1330	1180	358
31	400	—	3080	5670	—	5310	—	1690	—	1800	1220	—
TOTAL	10729	15063	76998	91590	124840	211540	170800	92550	46795	27800	66133	14265
MEAN	346	502	2484	2955	4305	6824	5693	2985	1560	897	2133	476
MAX	477	862	4130	5670	6480	10800	7770	5600	3190	1800	4040	1220
MIN	285	387	928	2070	3200	4320	3650	1130	490	657	952	283
CFSM	.13	.19	.94	1.12	1.63	2.58	2.15	1.13	.59	.34	.81	.18
IN.	.15	.21	1.08	1.29	1.75	2.97	2.40	1.30	.66	.39	.93	.20

CAL YR 1983 TOTAL 1063813 MEAN 2915 MAX 12000 MIN 230 CFSM 1.10 IN 14.93

WTR YR 1984 TOTAL 949105 MEAN 2593 MAX 10800 MIN 283 CFSM .98 IN 13.32

02202500 OGEECHEE RIVER NEAR EDEN, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.
PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1975 to September 1981.
WATER TEMPERATURES: October 1972 to September 1981.
INSTRUMENTATION.—Water-temperature recorder October 1972 to September 1981. Specific-conductance recorder October 1975 to September 1981.
EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 183 micromhos Sept. 13, 1978; minimum, 23 micromhos Mar. 20, 1980.
WATER TEMPERATURES: Maximum, 32.0°C July 9-11, 13, 15, 21, 22, 1977, Aug. 9, 1980; minimum, 1.5°C Jan. 19-21, 1977.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 18...	1330	310	110	118	8.1	7.6	21.5	9.7	110
JAN 10...	1430	2520	60	66	6.9	6.4	7.5	10.6	90
MAR 20...	1400	5830	50	46	6.6	6.6	18.0	7.1	76
JUN 05...	1330	2590	59	63	6.9	7.3	21.5	6.7	76
JUL 10...	1230	790	78	78	7.5	7.0	27.0	6.5	82
AUG 28...	1345	1030	76	76	7.1	7.1	25.0	6.0	73

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT 18...	2.3	79	K1500	35	0	12	1.2	10	38	.8	1.0
JAN 10...	6.2	58	110	19	4	5.7	1.1	5.0	35	.5	1.1
MAR 20...	5.4	160	26	17	3	5.1	.94	3.5	30	.4	1.1
JUN 05...	6.1	48	420	21	5	6.3	1.2	3.7	27	.4	1.2
JUL 10...	5.6	13	36	29	3	9.3	1.4	3.9	22	.3	1.1
AUG 28...	4.0	37	470	26	1	8.2	1.4	5.4	30	.5	1.3

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT 18...	41	.6	7.4	6.4	<.10	11	81	74	68	.11
JAN 10...	15	3.7	8.0	7.1	<.10	11	64	49	435	.09
MAR 20...	14	6.8	3.1	6.2	<.10	3.2	30	32	472	.04
JUN 05...	16	3.9	5.3	6.6	.10	8.9	57	44	399	.08
JUL 10...	26	1.6	3.7	5.6	<.10	10	73	51	156	.10
AUG 28...	25	3.8	4.4	6.1	.10	11	76	54	211	.10

02202500 OGEECHEE RIVER NEAR EDEN, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT						
18...	.28	.050	.40	.090	.050	.050
JAN						
10...	<.10	.040	.60	.030	.020	<.010
JUN						
05...	.15	.060	1.0	.040	.040	.030
JUL						
10...	.22	.100	.30	.070	.050	.030
AUG						
28...	.16	.050	.50	.070	.040	.030

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT										
18...	20	1	30	<.5	<1	6	<3	1	320	3
JAN										
10...	70	<1	32	<.5	<1	<1	<3	2	370	2
JUN										
05...	130	<1	32	<.0	<1	1	<3	2	750	2
AUG										
28...	60	1	34	<.0	<1	<1	<3	1	960	2

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
18...	<4	31	<.1	<10	2	<1	<1	36	<6	3
JAN										
10...	<4	14	<.1	<10	1	<1	<1	19	<6	9
JUN										
05...	<4	30	<.1	<10	2	<1	2	25	<6	25
AUG										
28...	<4	51	<.1	<10	1	<1	<1	32	<6	6

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT						
18...	1335	310	21.5	8	6.7	81
JAN						
10...	1435	2520	7.5	7	48	73
MAR						
20...	1405	5830	18.0	10	157	72
JUN						
05...	1335	2590	23.5	7	49	83
JUL						
10...	1235	790	27.0	5	11	82
AUG						
28...	1350	1030	25.0	5	14	64

02202600 BLACK CREEK NEAR BLITCHTON, GA.

LOCATION.—Lat 32°10'04", long 81°29'18", Bryan County, Hydrologic Unit 03060202, at bridge on U.S. Highway 280 (State Highway 30), 4.2 mi upstream from Mill Creek, 5.8 mi southwest of Blitchton, and 8.7 mi upstream from mouth.
DRAINAGE AREA.—232 mi^2.
PERIOD OF RECORD.—Occasional low-flow measurements, water years 1944, 1951, 1954, 1959, 1961–62, 1964–68, 1973. February 1980 to current year.
GAGE.—Water-stage recorder. Altitude of gage is 30 ft, from topographic map.
REMARKS.—Records fair.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, not determined, Mar. 8, 1984, gage height, 12.32 ft; zero flow was observed August 19, 1954.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 29	2100	2110	10.39	Mar. 8	1200	unknown	*12.32
Mar. 1	1900	1200	9.32	May 6	0500	unknown	11.01

Minimum daily discharge, 0.67 ft^3/s Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	.75	2.2	163	916	1180	274	146	485	10	553	3.3
2	1.5	.74	2.2	181	686	1120	237	107	358	10	557	2.3
3	.91	.78	2.2	149	533	878	194	95	257	9.9	432	1.8
4	.72	.73	2.4	111	435	643	178	277	157	8.9	308	2.1
5	.75	.72	2.1	89	371	495	185	1630	107	6.5	197	2.0
6	.68	.69	2.4	77	332	541	203	2700	73	4.7	127	1.9
7	.67	1.0	2.8	69	290	1500	292	1740	51	3.0	85	1.4
8	.69	1.8	2.7	64	236	4700	318	1050	37	2.4	56	1.1
9	.68	1.4	2.6	60	200	3400	291	688	26	1.7	35	1.1
10	.69	1.2	2.4	59	179	2100	310	473	18	1.5	22	1.8
11	.70	1.2	3.0	63	162	1290	306	362	12	1.2	13	2.2
12	.70	.99	11	61	151	896	296	309	10	1.3	8.3	2.0
13	1.2	.92	8.2	61	169	705	288	222	8.2	1.5	5.7	1.6
14	1.4	.97	5.5	65	253	590	261	154	7.7	1.2	4.1	1.3
15	1.2	.94	6.3	64	304	516	194	114	9.6	1.1	3.0	1.2
16	1.1	1.1	7.7	62	343	453	157	86	9.6	.96	2.3	1.2
17	1.2	1.1	7.8	65	327	381	122	66	13	.81	2.3	1.2
18	.98	.89	17	69	296	341	99	51	12	5.3	3.0	1.2
19	.88	.89	50	104	264	305	81	28	8.7	8.8	2.2	1.0
20	.79	3.1	38	133	233	258	67	26	6.9	5.7	2.2	.94
21	.79	3.7	38	158	208	221	58	18	4.9	7.1	1.8	1.0
22	.88	1.9	42	186	184	214	50	16	3.7	5.7	1.7	1.3
23	1.3	1.6	40	173	194	217	118	11	3.3	3.8	1.6	1.3
24	1.3	2.4	37	190	210	220	328	12	2.7	2.7	1.4	1.3
25	1.2	8.7	31	382	232	220	382	13	2.1	2.1	1.4	1.1
26	1.1	5.4	28	582	235	194	670	12	1.8	1.8	14	.99
27	.98	3.5	24	1080	286	165	569	11	2.1	1.5	15	.98
28	.83	2.8	38	1640	337	161	412	27	6.3	1.4	9.4	2.9
29	.76	2.8	129	2070	914	189	299	132	15	2.6	5.8	71
30	.79	2.5	158	1850	—	233	209	256	9.9	62	4.2	87
31	.79	—	130	1250	—	256	—	439	—	394	4.3	—
TOTAL	29.76	57.21	873.5	11330	9680	24604	7628	11279	1698.5	571.17	2478.7	201.51
MEAN	.96	1.91	28.2	365	334	794	254	364	56.6	18.4	80.0	6.72
MAX	1.6	8.7	158	2070	916	4700	670	2700	485	394	557	87
MIN	.67	.69	2.1	59	151	161	50	11	1.8	.81	1.4	.94
CFSM	.004	.008	.12	1.57	1.44	3.42	1.10	1.57	.24	.08	.35	.03
IN.	.00	.01	.14	1.82	1.55	3.95	1.22	1.81	.27	.09	.40	.03

CAL YR 1983 TOTAL 86572.56 MEAN 237 MAX 2130 MIN .36 CFSM 1.02 IN 13.88
WTR YR 1984 TOTAL 70431.35 MEAN 192 MAX 4700 MIN .67 CFSM .83 IN 11.29

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.

LOCATION.—Lat 32°11'05", long 81°53'20", Evans County, Hydrologic Unit 03060208, on right bank 400 ft upstream from bridge on State Highway 73, 2 mi northeast of Claxton, and 10 mi upstream from Lotts Creek.
DRAINAGE AREA.—555 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1937 to current year.
REVISED RECORDS.—WSP 1112: 1939-41, 1944.
GAGE.—Water-stage recorder. Datum of gage is 80.5 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.
REMARKS.—Records fair.
AVERAGE DISCHARGE.—47 years, 467 ft^3/s, 11.43 in/yr.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 12,600 ft^3/s May 26, 1966, gage height, 16.58 ft; minimum daily discharge, 0.62 ft^3/s Nov. 8, 19, 1983.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 29	1000	2570	10.98	Mar. 8	1000	4820	12.85
Mar. 1	2300	2390	10.75	May 5	2300	*4870	12.88

Minimum daily discharge, 0.62 ft^3/s Nov. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	.92	6.3	569	1760	2200	1480	861	1270	22	490	52
2	3.8	.85	4.0	600	1540	2340	1290	793	934	33	843	39
3	3.5	.80	2.4	566	1360	2250	1140	812	647	31	1040	30
4	3.2	.75	2.0	554	1230	2150	1050	1760	461	24	1160	28
5	3.0	.70	1.9	590	1120	1920	1050	4020	461	19	1160	30
6	3.2	.68	4.2	603	992	2140	1160	4300	381	16	1050	22
7	3.0	.64	8.2	578	883	3470	1530	2840	266	47	908	18
8	3.0	.62	10	505	788	4670	1600	1980	165	94	838	15
9	3.2	.91	40	410	698	3770	1410	1590	138	83	906	13
10	3.5	.91	50	347	635	3010	1260	1220	103	68	733	12
11	3.8	.91	57	321	606	2660	1260	1010	78	60	512	11
12	3.8	.99	70	302	591	2320	1310	871	65	53	314	9.4
13	3.8	1.2	69	297	603	1960	1260	703	72	44	212	8.5
14	4.1	1.1	68	304	664	1670	1160	544	84	37	159	8.0
15	4.1	1.4	75	300	765	1500	1050	402	87	37	125	7.9
16	4.1	2.0	84	300	835	1460	892	295	72	35	100	7.5
17	4.7	2.3	82	339	909	1430	770	222	53	36	80	7.7
18	4.1	2.4	82	355	1020	1340	673	173	41	31	64	7.5
19	3.5	2.5	102	428	1160	1240	579	143	32	109	55	7.1
20	3.2	4.2	126	525	1270	1160	501	120	26	235	54	7.1
21	3.2	8.1	162	588	1220	1120	472	100	22	273	54	6.5
22	2.7	9.0	176	618	1030	1190	437	85	21	315	42	5.8
23	4.1	11	182	604	905	1320	621	73	23	360	37	6.0
24	6.5	17	171	656	846	1350	934	66	22	296	31	6.1
25	4.7	19	158	938	792	1250	1200	58	20	225	33	5.4
26	3.5	13	153	1200	755	1140	1550	61	18	176	43	5.3
27	2.1	7.9	145	1710	837	1220	1610	103	16	172	[illegible]	4.7
28	1.3	6.8	153	2360	1170	1560	1610	510	16	225	38	6.6
29	.90	8.1	254	2560	1530	1670	1320	843	15	295	65	18
30	.90	6.0	439	2460	—	1670	1020	1110	16	366	84	31
31	1.1	—	506	2100	—	1620	—	1320	—	319	71	—
TOTAL	103.10	132.68	3443.0	24587	28534	59770	33199	28988	5665	4136	11414	436.1
MEAN	3.33	4.42	111	793	984	1928	1107	935	189	133	368	14.5
MAX	6.5	19	506	2560	1760	4670	1610	4300	1270	366	1160	52
MIN	.90	.62	1.9	297	591	1120	437	58	15	16	31	4.7
CFSM	.006	.008	.20	1.43	1.77	3.47	2.00	1.69	.34	.24	.66	.03
IN.	.01	.01	.23	1.65	1.91	4.01	2.23	1.94	.38	.28	.77	.03

CAL YR 1983 TOTAL 220161.38 MEAN 603 MAX 4230 MIN .62 CFSM 1.09 IN 14.76
WTR YR 1984 TOTAL 200407.88 MEAN 548 MAX 4670 MIN .62 CFSM .99 IN 13.43

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 11...	1355	4.1	62	59	6.1	6.3	21.0	24.5	5.3	59
NOV 01...	1145	1.0	45	46	6.2	6.1	15.5	23.5	5.7	56
DEC 13...	1240	72	113	111	5.1	5.0	12.5	11.5	8.8	83
JAN 10...	1520	340	66	65	5.1	5.4	8.0	19.0	9.7	83
FEB 14...	1510	700	55	55	5.3	5.3	13.5	20.0	8.2	79
MAR 07...	1220	3410	36	34	5.2	5.2	14.5	13.5	7.4	73
APR 03...	1435	1130	39	39	5.4	5.4	15.0	20.0	8.3	82
MAY 08...	1350	1890	37	35	5.2	5.3	22.5	30.0	4.7	54
JUN 05...	1325	466	40	40	5.4	5.5	22.0	34.0	6.5	74
JUL 10...	1300	67	52	52	5.4	5.4	27.0	34.0	5.6	70
AUG 07...	1405	889	41	41	4.9	5.2	26.0	32.0	6.8	84
SEP 11...	1410	10	48	45	5.4	5.9	24.5	31.0	6.2	74

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	35	2.0	1.6	20	14	9.0	1	.23	.250	.070	6.4
NOV 01...	40	2.0	1.5	20	8.6	7.0	12	.04	.050	.110	6.9
DEC 13...	60	2.0	1.4	230	62	4.0	<1	.04	.100	.040	21
JAN 10...	60	2.0	1.1	80	77	5.0	<1	.05	.090	.030	17
FEB 14...	70	2.0	2.9	230	32	3.0	3	.04	.080	.060	16
MAR 07...	110	11	1.9	790	37	3.0	3	.05	.020	.040	13
APR 03...	140	3.0	2.1	40	39	5.0	<1	<.02	.040	.040	22
MAY 08...	200	8.0	1.1	170	37	3.0	<1	.01	.060	.050	19
JUN 05...	150	6.0	.9	50	31	4.0	26	.05	.070	.040	21
JUL 10...	130	3.0	1.1	80	31	4.0	4	.07	.030	.050	17
AUG 07...	200	5.0	1.6	130	98	4.0	<1	<.02	.050	.060	26
SEP 11...	140	5.0	1.6	<20	46	6.0	2	.07	.040	.060	16

02203519 CANOOCHEE RIVER NEAR RICHMOND HILL, GA.

LOCATION.—Lat 31°58'59", long 81°23'07", Bryan County, Hydrologic Unit 03060203, at bridge on State Highway 67, 5.3 mi west of Richmond Hill, and 8.5 mi upstream from Ogeechee River.
PERIOD OF RECORD.—July 1978 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
13...	1620	68	74	6.7	6.6	24.0	25.5	6.8	81
NOV									
03...	0945	88	87	6.9	6.8	16.5	23.0	7.1	72
DEC									
14...	1535	—	97	6.5	6.5	14.0	22.0	7.9	77
JAN									
12...	1405	69	67	5.3	5.3	7.5	7.0	9.8	81
FEB									
16...	1130	—	73	5.1	4.9	13.0	23.0	7.4	70
MAR									
13...	1500	41	41	4.8	4.8	14.0	24.0	7.7	74
APR									
05...	1230	42	41	5.3	5.4	16.0	21.0	6.9	70
MAY									
15...	0900	41	41	5.2	5.2	21.0	20.5	5.5	61
JUN									
07...	1445	—	85	5.3	5.5	23.5	29.0	5.3	62
JUL									
12...	1225	56	56	6.1	6.2	28.5	32.5	5.2	67
AUG									
09...	0900	—	63	4.9	5.0	26.0	30.0	6.0	74
SEP									
13...	0945	54	55	6.0	6.3	25.0	30.0	6.2	74

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
13...	60	2.0	.8	20	15	<1	.34	.100	.200	7.1
NOV										
03...	50	2.0	.7	50	19	4	.80	.090	.310	8.5
DEC										
14...	110	4.0	1.8	130	12	<1	.20	.060	.250	18
JAN										
12...	100	1.0	1.2	20	3.0	<1	.06	.110	.040	19
FEB										
16...	120	4.0	1.9	<20	1.0	3	.04	.040	.040	22
MAR										
13...	160	4.0	1.9	20	2.0	<1	<.02	.050	<.020	21
APR										
05...	150	3.0	.9	50	4.0	3	.03	.050	.050	26
MAY										
15...	240	6.0	1.2	95	4.0	2	.04	.050	.100	28
JUN										
07...	190	5.0	1.0	50	5.0	8	.09	.080	.050	20
JUL										
12...	180	4.0	1.1	20	8.0	7	.40	.060	.340	16
AUG										
09...	230	7.0	1.7	<20	3.0	11	.03	.080	.110	35
SEP										
13...	180	6.0	1.7	20	8.0	3	.29	.070	.140	18

02203578 NORTH NEWPORT RIVER AT HALFMOON LANDING, GA.

LOCATION.—Lat 31°40'39", long 81°18'05", Liberty County, Hydrologic Unit 03060204, at Halfmoon Landing, at mile 9.9.

DRAINAGE AREA.—157 mi².

PERIOD OF RECORD.—September 1966 to current year.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: July 1970 to September 1976.
pH: July 1970 to September 1976.
WATER TEMPERATURES: July 1970 to September 1976.
DISSOLVED OXYGEN: July 1970 to September 1976.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 45,500 micromhos Nov. 29, 1975; minimum recorded, 5,650 micromhos Sept. 1, 1971.
pH: Maximum recorded, 8.1 units Mar. 24, 1975; minimum recorded, 6.5 units July 11, 12, 1971.
WATER TEMPERATURES: Maximum, 33.5°C Sept. 1, 2, 1970; minimum, 6.0°C Jan. 20-24, 1976.
DISSOLVED OXYGEN: Maximum recorded, 12.8 mg/L Feb. 13, 1973; minimum recorded, 1.4 mg/L July 30, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH (STAND- ARD UNITS)	PH LAB (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TEMPER- ATURE, AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 13...	1500	44000	—	7.6	7.6	24.0	26.0	5.4	75
NOV 03...	0830	45000	—	7.8	7.7	19.0	17.0	6.4	81
DEC 14...	1615	41500	—	7.8	7.7	15.0	21.0	7.3	86
JAN 12...	1520	40000	—	7.9	7.8	8.5	7.0	8.7	86
FEB 16...	0830	32000	—	7.7	7.5	13.0	14.0	7.9	84
MAR 13...	1730	18000	—	7.4	7.4	15.0	23.0	7.6	80
APR 05...	1110	21500	—	7.5	7.6	17.5	20.0	6.8	77
MAY 10...	1620	33000	—	7.5	7.8	24.5	25.0	6.2	83
JUN 07...	1545	39000	—	7.6	7.8	27.0	28.0	5.4	77
JUL 12...	0730	40500	—	7.8	7.7	28.5	27.0	5.2	77
AUG 09...	0720	40000	—	7.7	7.8	30.0	27.0	5.0	76
SEP 13...	1030	42000	—	7.7	7.6	25.5	30.5	5.6	79

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY LAB (MG/L AS CACO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 13...	20	5.0	.8	20	112	15000	16	<.02	.080	.090	6.4
NOV 03...	10	15	.6	<20	117	—	45	<.02	.090	.030	6.4
DEC 14...	15	4.0	1.3	<20	112	15000	<1	<.02	.040	.150	7.7
JAN 12...	10	5.0	1.5	<20	105	14000	14	<.02	.140	.070	7.2
FEB 16...	35	15	2.8	<20	78	11000	39	<.02	.040	.080	11
MAR 13...	90	11	1.4	<20	52	5800	12	<.02	.140	—	12
APR 05...	70	11	2.2	<20	60	7200	32	<.02	.080	.070	15
MAY 10...	30	16	1.2	<20	82	—	33	<.02	.030	.090	8.4
JUN 07...	15	7.0	1.0	<20	95	14000	25	<.02	.070	.080	7.7
JUL 12...	30	10	1.0	<20	105	16000	30	<.02	.110	.140	8.0
AUG 09...	25	5.0	1.2	<20	102	15000	17	.05	.360	.130	5.7
SEP 13...	20	12	1.3	<20	111	15000	33	<.02	.220	.110	7.9

02203800 SOUTH RIVER AT ATLANTA, GA.

LOCATION.—Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at bridge on Bouldercrest Road at Atlanta, 0.4 mi southeast of Interstate Highway 285, and 1.1 mi upstream from Sugar Creek.

DRAINAGE AREA.—41.5 mi^2.

PERIOD OF RECORD.—July 1975 to current year.

REMARKS.—Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 06...	0630	52	350	344	7.1	7.1	20.5	13.5	4.0	45
NOV 01...	0830	49	320	367	7.2	7.2	17.0	14.5	3.2	34
DEC 06...	1100	1250	95	90	6.8	7.0	15.5	22.0	7.7	80
JAN 03...	0900	79	275	255	7.1	7.2	7.0	-1.0	9.7	81
FEB 08...	1230	76	290	294	7.2	7.5	8.0	8.0	9.0	76
MAR 08...	0700	81	235	272	7.0	7.2	9.5	.5	7.3	66
APR 03...	1045	800	85	88	7.0	7.0	13.0	14.0	7.9	77
MAY 01...	0700	78	235	248	6.8	7.0	16.5	12.5	4.9	52
JUN 05...	0700	62	310	298	7.1	7.1	20.0	19.5	5.3	59
JUL 11...	1030	65	290	286	7.1	6.9	25.0	33.0	4.2	52
AUG 09...	1300	77	300	295	—	7.4	25.0	34.0	4.6	57
SEP 04...	1315	70	250	255	7.0	7.0	23.0	24.0	5.4	64

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	20	15	41000	65	20	252	1.1	3.80	3.40	35
NOV 01...	15	>15	170000	73	20	212	1.4	6.30	3.60	29
DEC 06...	120	10	230000	19	126	222	.38	.650	[illegible]	12
JAN 03...	15	14	110	52	13	156	1.3	4.10	2.15	8.8
FEB 08...	17	17	20	62	13	212	1.0	3.10	1.74	18
MAR 08...	25	>16	1850000	60	34	208	.77	3.70	1.63	25
APR 03...	290	>16	255000	21	528	632	.45	.540	.450	21
MAY 01...	25	>15	33000	48	11	196	1.7	1.86	1.46	24
JUN 05...	15	8.8	56000	50	21	200	2.8	1.14	2.30	15
JUL 11...	15	10	—	50	19	216	1.6	.610	2.40	14
AUG 09...	30	9.0	110000	48	55	232	1.6	.740	1.80	11
SEP 04...	23	9.0	7900	40	26	216	5.4	1.06	2.45	13

02203965 SOUTH RIVER NEAR LITHONIA, GA.

LOCATION.—Lat 33°39'14", long 84°11'12", DeKalb County, Hydrologic Unit 03070103, at bridge on State Highway 155, 2.0 mi south of State Highway 212, 2.4 mi downstream from Snapfinger Creek, and 6.2 mi southwest of Lithonia.

PERIOD OF RECORD.—July 1975 to current year.

REMARKS.—Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 06...	0715	300	271	7.3	7.4	20.0	13.5	4.7	53
NOV 01...	0915	270	291	7.4	7.5	16.0	18.0	5.8	60
DEC 06...	1215	57	56	6.8	6.8	15.0	18.0	8.5	88
JAN 03...	0945	215	206	7.4	7.5	6.5	.0	10.6	87
FEB 08...	1300	—	241	7.4	7.5	5.0	10.0	10.5	83
MAR 08...	0945	185	198	7.2	7.5	9.0	14.0	9.8	87
APR 03...	1130	155	153	7.1	7.2	13.5	14.0	7.8	76
MAY 01...	0900	190	197	7.0	7.6	17.0	15.0	6.2	66
JUN 05...	0745	245	225	7.4	7.5	21.0	21.0	6.9	79
JUL 09...	1015	240	228	7.3	7.5	22.0	26.0	6.2	72
AUG 09...	1230	225	219	—	7.5	24.0	29.0	6.6	80
SEP 04...	1230	245	228	7.4	7.5	23.0	27.0	6.5	77

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	10	8.5	1100	74	8	184	.77	6.72	2.30	13
NOV 01...	6.0	7.2	4900	62	6	192	3.3	2.64	1.80	10
DEC 06...	190	5.9	79000	14	354	420	.29	.220	.510	12
JAN 03...	20	8.2	—	54	27	160	1.1	2.90	1.20	6.3
FEB 08...	11	5.2	790	59	6	164	1.5	2.04	.900	6.7
MAR 08...	20	8.4	46000	50	21	160	1.3	1.06	.800	12
APR 03...	130	>7.9	17000	38	314	404	1.4	.960	.910	12
MAY 01...	40	>7.9	4900	53	41	176	1.1	1.12	.660	15
JUN 05...	10	2.1	1700	48	26	160	2.6	.700	.800	5.6
JUL 09...	11	3.8	9400	46	11	200	3.3	.650	1.06	4.0
AUG 09...	20	2.9	7900	44	36	164	.89	.240	.720	5.1
SEP 04...	20	4.6	15000	53	14	148	2.9	.950	1.22	6.3

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.

LOCATION.—Lat 33°37'47", long 84°07'43", DeKalb-Rockdale County line, Hydrologic Unit 03070103, at bridge on Klondike Road, 1.1 mi south of State Highway 212, 1.2 mi downstream from Pole Bridge Creek, 5.8 mi southwest of Lithonia, and 8.6 mi downstream from Snapfinger Creek.

DRAINAGE AREA.—182 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1983 to September 1984.

GAGE.—Water-stage recorder. Datum of gage is 660.90 ft, National Geodetic Vertical Datum of 1929 (levels from Dekalb County benchmark).

REMARKS.—Records good except those of no gage-height record May 11-28, which are fair. Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 5,230 ft^3/s Dec. 6, 1983, gage height, 9.55 ft; minimum daily discharge, 114 ft^3/s Oct. 8, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Apr. 30, 1963 reached a stage of 11.80 ft, discharge 8,200 ft^3/s.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	1245	4000	8.75	Dec. 12	0030	4400	9.00
Dec. 4	1145	4400	9.03	Dec. 28	1845	4030	8.77
Dec. 6	1830	*5230	9.55	Feb. 14	0830	4110	8.82

Minimum daily discharge, 114 ft^3/s Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	130	275	354	295	391	355	424	292	232	1950	196
2	121	132	258	324	284	362	336	416	273	347	1280	191
3	127	133	2100	318	296	342	938	2940	253	442	1010	190
4	127	147	3060	305	428	315	550	1660	242	241	450	209
5	154	153	639	287	310	1060	376	591	235	361	466	191
6	144	135	3370	276	292	1190	329	458	231	266	515	182
7	125	138	1070	263	288	495	311	412	231	338	326	178
8	114	139	479	254	279	392	281	403	230	275	295	172
9	129	140	376	270	270	355	624	397	219	205	284	169
10	125	142	330	1630	282	336	412	359	219	199	256	174
11	134	139	1460	963	422	330	372	330	214	194	242	176
12	151	135	1880	435	311	318	349	315	215	188	280	175
13	1180	137	555	364	1220	445	338	300	212	188	840	170
14	375	184	412	329	2620	342	522	370	211	591	433	169
15	196	1770	343	327	629	324	511	390	210	258	272	165
16	157	378	310	310	453	386	347	310	208	441	243	158
17	146	273	289	291	385	427	368	290	203	794	235	152
18	143	199	270	927	352	411	321	280	202	1290	454	152
19	141	177	264	1650	326	336	474	275	201	379	346	153
20	138	1520	258	527	317	642	2140	270	197	249	231	149
21	137	702	253	410	305	2020	702	600	198	241	217	133
22	135	292	1180	358	295	507	486	720	252	315	209	125
23	317	238	549	336	380	409	504	350	197	747	204	127
24	229	2570	340	521	297	361	388	310	281	412	201	130
25	158	785	292	480	298	437	361	290	230	299	200	126
26	139	354	270	364	281	350	342	700	180	299	895	144
27	137	299	289	587	2110	340	861	830	174	386	251	127
28	136	1420	2210	404	1050	975	481	750	173	577	212	119
29	132	520	1050	351	491	1200	507	1500	290	1150	471	123
30	129	326	472	328	—	451	363	442	281	1120	359	127
31	131	—	392	305	—	381	—	330	—	2670	217	—
TOTAL	5835	14007	25315	14648	15566	16630	15249	18032	6754	15694	13844	4752
MEAN	188	467	817	473	537	536	508	582	225	506	447	158
MAX	1180	2570	3370	1650	2620	2020	2140	2940	292	2670	1950	209
MIN	114	130	253	254	270	315	281	270	173	188	200	119
CFSM	1.03	2.57	4.49	2.60	2.95	2.95	2.79	3.20	1.24	2.78	2.46	.87
IN.	1.19	2.86	5.17	2.99	3.18	3.40	3.12	3.69	1.38	3.21	2.83	.97

WTR YR 1984 TOTAL 166326 MEAN 454 MAX 3370 MIN 114 CFSM 2.50 IN 34.00

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 1983 to September 1984.

PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: November 1983 to September 1984.
DISSOLVED OXYGEN: November 1983 to September 1984.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissovled Oxygun, and Specific Conductance by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 28.0°C July 11, 12, 1984; minimum, 2.0°C Dec. 26, 1983.
DISSOVED OXYGEN: Maximum recorded, 11.4 mg/L Dec. 31, 1983; minimum recorded, 2.8 mg/L Aug. 18, 1984.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURES: Maximum, 28.0°C July 11, 12; minimum 2.0°C Dec. 26.
DISSOVLED OXYGEN: Maximum recorded, 11.4 mg/L Dec. 31; minimum recorded, 2.8 mg/L Aug. 18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
JAN										
03...	1030	330	190	175	7.4	7.4	6.0	1.5	11.2	90
FEB										
08...	1330	275	220	207	7.3	7.4	5.5	11.5	10.2	81
MAR										
08...	1045	406	155	164	7.2	7.5	9.5	14.0	9.3	84
APR										
03...	1200	657	150	147	7.1	7.4	13.5	14.5	8.3	81
MAY										
01...	0830	474	150	156	7.0	7.4	18.0	16.0	6.9	75
JUN										
05...	0815	247	220	207	7.3	7.5	21.0	27.0	6.3	72
JUL										
09...	0945	210	220	219	7.3	7.4	22.5	26.0	5.7	67
AUG										
07...	0900	342	165	175	—	7.4	23.0	28.0	6.5	77
SEP										
04...	1200	242	230	232	7.3	7.5	23.0	25.5	5.8	69

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN											
03...	23	9.3	130	3.5	45	35	148	1.2	1.19	.960	5.7
FEB											
08...	14	7.3	130000	5.4	56	9	148	1.4	1.52	.750	6.5
MAR											
08...	20	4.7	70000	5.1	42	27	144	1.6	.580	.540	5.8
APR											
03...	65	5.2	3300	5.4	35	106	228	1.8	.540	.440	6.2
MAY											
01...	32	5.3	33000	7.7	40	33	160	1.5	.660	.620	5.6
JUN											
05...	12	1.8	490	4.4	45	30	128	3.2	.570	.780	4.2
JUL											
09...	13	1.3	4600	4.3	44	10	152	2.8	.380	.930	4.5
AUG											
07...	25	1.9	7900	—	39	26	120	2.2	.270	.480	4.2
SEP											
04...	15	4.4	2300	5.0	52	19	164	3.7	.970	1.16	5.1

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			18.0	17.0	12.5	11.0	5.5	4.0	8.5	6.5	9.5	7.0
2			18.0	16.0	12.0	11.0	[illegible]	5.0	9.5	7.0	10.0	8.0
3			17.5	15.0	13.5	12.0	8.0	6.5	10.0	8.0	12.0	9.5
4			18.0	16.5	15.5	13.5	8.0	6.0	11.5	10.0	12.5	10.5
5			17.0	15.0	14.5	13.5	10.0	7.5	10.5	8.5	13.0	12.0
6			15.0	13.0	15.5	14.0	9.5	8.0	8.0	6.0	—	—
7			15.0	13.0	14.0	10.5	10.0	8.5	7.0	5.0	—	—
8			17.0	14.5	10.5	9.5	9.0	7.5	7.5	5.0	12.0	10.0
9			17.5	15.5	10.5	9.0	9.5	7.5	8.5	6.0	11.5	10.0
10			18.0	16.0	11.0	9.5	10.0	9.0	10.0	7.5	9.5	8.5
11			16.0	13.0	13.5	10.5	—	—	12.5	10.0	11.5	8.0
12			13.0	11.5	14.0	13.0	7.0	6.5	14.0	11.5	12.0	9.5
13			12.5	11.0	—	—	7.5	7.0	14.0	13.0	12.0	11.5
14			11.0	10.0	13.0	12.0	8.5	7.0	14.5	13.5	14.5	11.0
15			—	—	12.0	10.5	8.5	8.0	12.5	11.0	15.5	12.5
16			—	—	10.5	9.5	9.0	8.0	12.0	11.0	15.5	14.0
17			—	—	11.0	9.5	10.0	9.0	13.5	11.0	15.0	14.0
18			12.0	9.5	10.5	10.0	10.0	9.0	13.0	11.0	17.0	14.5
19			13.0	10.5	10.0	9.5	9.0	6.5	13.5	11.5	18.5	15.5
20			14.5	12.5	10.5	10.0	6.5	5.5	14.5	13.0	17.0	15.5
21			14.0	12.5	10.0	8.5	6.5	5.0	13.0	12.0	15.0	13.5
22			13.5	11.5	8.5	7.0	6.0	4.5	11.5	10.5	14.0	12.0
23			15.0	12.5	9.0	8.0	6.5	5.5	12.0	11.0	16.0	13.5
24			15.5	14.5	8.5	4.0	7.5	6.5	12.5	10.0	16.0	13.5
25			14.5	11.5	4.0	2.5	10.0	7.5	13.0	11.0	18.0	15.5
26			11.5	10.5	4.0	2.0	9.5	8.5	12.0	10.0	16.0	15.0
27			13.0	10.5	6.0	4.0	11.0	9.5	11.0	9.0	16.0	14.0
28			16.0	13.0	7.0	5.0	10.0	9.0	9.5	8.5	17.0	15.5
29			14.5	11.5	—	—	10.0	8.5	8.5	7.5	—	—
30			11.0	10.0	—	—	9.5	8.0	—	—	—	—
31			—	—	4.5	4.0	8.5	7.5	—	—	—	—
MONTH			18.0	9.5	15.5	2.0	11.0	4.0	14.5	5.0	18.5	7.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	—	—	20.0	18.0	20.0	16.5	24.0	23.0	22.5	21.5	25.5	23.0
2	—	—	20.0	18.0	21.5	18.0	23.5	22.0	23.5	22.5	25.5	23.0
3	—	—	19.0	18.0	23.0	19.5	24.0	22.0	24.5	23.0	26.0	23.5
4	17.0	14.5	—	—	24.0	20.5	26.5	23.0	25.0	23.0	24.0	22.5
5	16.0	14.0	22.0	18.5	24.0	21.0	26.5	24.0	24.5	23.5	23.5	21.0
6	16.0	13.0	21.5	19.0	24.5	21.5	25.5	24.0	—	—	23.0	20.5
7	16.5	13.5	22.0	20.5	25.0	22.0	25.5	23.5	26.0	23.5	22.5	20.0
8	16.0	15.0	21.5	18.5	25.5	22.5	26.0	23.0	25.5	24.0	22.0	19.5
9	15.5	14.0	18.5	16.5	25.0	22.5	25.5	23.0	25.5	23.5	22.5	19.5
10	14.0	13.0	18.5	16.0	24.5	22.0	27.0	23.0	26.5	24.0	23.5	20.5
11	15.5	12.5	19.5	16.5	25.0	22.0	28.0	24.5	25.5	24.0	24.0	21.0
12	17.5	13.5	20.5	17.5	26.0	22.5	28.0	25.0	24.0	23.5	25.0	22.0
13	18.5	15.5	22.0	19.0	26.0	23.0	26.5	25.0	24.0	23.0	25.0	22.0
14	18.5	16.5	22.0	20.0	26.0	23.0	26.0	24.5	25.0	23.0	25.5	22.5
15	18.5	17.0	—	—	26.5	23.0	—	—	26.0	23.5	25.0	22.5
16	17.5	16.0	—	—	26.5	23.5	—	—	26.0	23.5	23.5	21.5
17	18.0	14.0	20.0	16.5	26.5	23.5	25.5	24.0	26.0	24.0	21.0	19.5
18	16.0	12.5	20.5	17.0	26.5	23.5	25.0	23.5	25.5	24.0	20.5	19.0
19	14.0	12.5	21.5	18.0	27.0	23.5	25.0	23.0	25.5	24.0	21.0	18.0
20	14.0	11.5	22.5	19.0	27.5	24.0	24.5	23.5	25.5	23.5	21.5	18.0
21	16.0	13.0	21.0	20.0	27.5	24.5	25.0	23.0	25.5	23.5	21.5	18.0
22	16.5	16.0	21.5	21.0	26.0	24.5	24.5	23.0	25.5	23.5	22.0	18.5
23	18.0	16.0	23.0	20.5	26.0	24.0	24.5	22.5	26.0	23.5	22.5	19.5
24	18.0	15.5	23.5	21.0	26.5	23.5	25.0	23.0	24.5	22.5	23.5	20.0
25	18.5	15.0	22.5	20.5	27.0	23.5	26.0	24.0	25.0	22.0	23.5	20.5
26	20.0	16.5	21.5	20.5	25.5	23.0	25.5	23.5	—	—	23.5	20.5
27	18.5	15.0	—	—	26.5	23.0	24.5	23.5	24.0	22.5	22.0	21.0
28	—	—	—	—	27.0	23.5	26.0	23.5	25.0	23.0	21.5	19.5
29	—	—	—	—	24.5	23.0	23.5	22.0	24.0	22.5	21.0	20.0
30	—	—	19.0	16.5	25.5	23.0	21.5	21.0	24.0	22.0	20.0	18.0
31	—	—	19.0	16.0	—	—	22.0	21.0	25.5	23.0	—	—
MONTH	20.0	11.5	23.5	16.0	27.5	16.5	28.0	21.0	26.5	21.5	26.0	18.0
YEAR	28.0	2.0										

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			5.8	4.5	8.7	8.0	11.2	10.8	9.9	9.5	10.4	9.8
2			5.3	4.0	8.6	8.0	11.1	10.7	9.9	9.3	10.1	9.4
3			5.6	4.7	9.0	7.9	10.7	10.1	9.3	8.6	9.4	8.0
4			4.7	4.2	8.3	7.6	10.5	10.0	8.6	7.2	8.8	8.3
5			5.2	4.1	8.4	7.7	10.0	9.1	8.8	7.5	9.0	8.2
6			5.8	4.8	8.6	7.3	9.5	9.0	10.0	8.2	—	—
7			6.1	5.1	8.7	7.3	9.2	8.9	10.5	9.5	—	—
8			5.7	4.2	9.0	8.4	9.8	9.1	10.3	9.7	9.3	8.5
9			5.3	4.1	9.1	8.6	9.8	9.3	9.9	8.4	9.1	8.3
10			4.8	4.2	8.9	7.9	9.9	9.2	9.3	8.0	9.1	8.6
11			5.6	4.3	8.6	8.2	—	—	8.8	7.8	9.1	8.5
12			6.9	5.4	—	—	10.2	9.8	8.1	7.5	9.2	8.6
13			7.0	6.3	—	—	10.3	9.2	8.8	7.9	8.6	7.9
14			8.5	6.4	8.6	8.2	9.9	9.2	8.7	8.4	8.7	7.9
15			—	—	8.9	8.5	9.6	9.3	9.1	8.6	8.5	7.6
16			—	—	9.5	8.9	9.7	9.4	9.0	8.7	8.2	6.9
17			—	—	9.4	8.8	9.4	9.1	8.9	8.4	7.6	6.0
18			8.6	7.8	9.2	8.9	9.7	7.8	8.8	8.3	7.4	6.5
19			8.0	7.5	9.4	8.9	10.3	9.4	8.7	8.1	7.5	6.9
20			8.0	7.3	9.3	8.9	10.6	10.0	8.3	8.1	7.7	7.0
21			8.9	7.7	9.5	8.9	10.8	10.2	8.6	8.2	7.8	7.2
22			9.0	8.4	10.9	9.5	11.3	10.4	8.9	8.3	9.0	7.6
23			8.4	7.8	9.6	9.1	11.0	10.6	8.8	7.4	8.6	7.8
24			8.2	7.8	10.0	9.0	10.5	9.5	9.0	8.4	8.3	7.7
25			8.6	7.7	11.3	10.1	10.2	8.8	8.9	8.1	7.9	6.9
26			8.9	8.4	11.2	10.9	9.4	9.1	9.0	8.3	8.1	7.1
27			8.9	8.1	11.0	10.7	9.3	8.3	9.6	8.4	8.1	7.0
28			8.5	7.4	11.3	11.0	9.2	8.5	10.0	9.0	7.2	6.9
29			8.8	7.8	—	—	9.2	8.5	10.0	9.6	—	—
30			9.2	8.7	—	—	9.7	9.0	—	—	—	—
31			—	—	11.4	11.0	9.8	9.3	—	—	—	—
MONTH			9.2	4.0	11.4	7.3	11.3	7.8	10.5	7.3	10.4	6.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	—	—	6.6	6.0	7.5	6.7	6.0	5.5	7.5	5.6	6.3	5.7
2	—	—	6.8	6.3	7.2	6.5	6.8	6.0	7.1	5.4	6.2	5.7
3	—	—	—	—	6.8	6.3	6.6	4.7	7.1	5.2	6.0	5.6
4	7.9	7.1	—	—	6.9	6.4	6.2	5.4	6.6	6.2	6.2	2.9
5	7.5	7.1	—	—	6.8	6.2	6.0	5.2	6.4	6.1	7.1	6.3
6	8.1	7.1	6.6	6.2	6.7	6.3	5.8	5.2	—	—	7.1	6.1
7	7.2	6.4	6.8	5.9	6.7	6.1	5.7	4.3	7.0	6.7	6.8	6.1
8	7.4	6.7	6.8	6.4	6.4	5.8	5.4	3.9	7.0	6.5	7.2	6.2
9	8.9	7.2	7.5	6.8	6.4	5.9	5.7	4.8	6.9	6.6	7.1	6.2
10	9.5	8.5	7.3	7.0	6.4	5.8	5.9	5.2	6.9	6.6	6.9	6.2
11	9.1	7.8	7.4	6.1	6.5	5.9	5.6	4.8	6.9	6.5	7.3	6.2
12	8.2	7.5	7.1	6.5	6.4	5.7	5.6	4.9	7.1	6.3	7.1	6.1
13	7.6	6.9	6.7	6.3	6.5	5.8	5.7	5.0	7.1	4.0	7.3	6.0
14	7.2	6.7	6.6	6.3	6.5	5.6	5.6	5.3	7.0	6.2	7.0	5.6
15	—	—	—	—	6.4	5.4	—	—	7.1	6.5	6.6	5.3
16	—	—	—	—	6.4	5.5	—	—	6.9	6.3	6.9	5.2
17	7.7	6.9	7.1	6.8	6.4	5.6	6.3	4.8	6.8	6.4	7.9	5.8
18	8.4	7.3	7.2	6.5	6.4	5.5	6.8	6.4	6.5	2.8	7.7	6.4
19	8.1	7.3	6.9	6.3	6.0	5.4	6.7	6.4	6.6	5.9	7.7	6.4
20	8.5	7.7	6.7	5.7	6.4	5.1	6.6	6.3	6.8	6.4	7.6	6.3
21	8.1	7.3	6.6	6.1	6.1	4.9	6.7	6.1	7.1	6.3	7.4	6.2
22	7.2	6.8	6.4	5.8	5.7	4.2	6.6	6.0	6.7	6.0	7.8	6.3
23	7.5	6.9	6.4	5.9	5.6	4.8	6.5	6.3	6.6	6.1	7.4	6.3
24	7.6	6.8	6.3	5.7	5.7	3.9	—	—	6.5	6.1	7.3	6.1
25	7.7	6.8	6.2	5.8	5.6	4.1	6.6	6.2	6.4	6.0	7.2	6.0
26	7.2	6.5	6.1	5.9	6.1	5.2	6.6	6.3	—	—	6.8	5.9
27	7.2	6.5	—	—	6.1	5.2	6.8	6.3	6.7	6.5	6.7	6.0
28	—	—	—	—	6.0	5.0	6.5	4.2	6.9	6.0	7.0	6.2
29	—	—	—	—	6.2	5.1	—	—	6.6	3.9	6.8	6.3
30	—	—	7.0	6.8	6.1	5.3	7.1	6.7	6.1	5.2	6.9	6.3
31	—	—	7.7	7.0	—	—	7.7	7.0	6.4	5.6	—	—
MONTH	9.5	6.4	7.7	5.7	7.5	3.9	7.7	3.9	7.5	2.8	7.9	2.9
YEAR	11.4	2.8										

02204285 PATES CREEK NEAR FLIPPEN, GA.

LOCATION.—Lat 33°29'34", long 84°14'44", Henry County, Hydrologic Unit 03070103, on left upstream headwall of culvert on county road, 3.6 mi west of Flippen, and 3.8 mi upstream from Little Cotton Indian Creek.

DRAINAGE AREA.—11.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1977 to September 1984 (discontinued).

GAGE.—Water-stage recorder. Altitude of gage is 722 ft, from topographic map.

REMARKS.—Records good except those for period of no gage-height record, Oct. 1 7, which are poor. Flow during periods of low water affected by Clayton County spray irrigation of treated wastewater.

AVERAGE DISCHARGE.—7 years, 17.4 ft^3/s, 19.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 816 ft^3/s Nov. 5, 1977, gage height, 9.40 ft; minimum daily discharge, 1.1 ft^3/s Sept. 9-11, 1981.

EXTREMES FOR CURRENT YEAR.—Peak discharge above base of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 13	2330	*623	6.93

Minimum daily discharge, 7.3 ft^3/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	18	29	32	23	40	31	31	29	13	104	25
2	7.7	23	29	34	26	39	33	35	24	42	69	21
3	7.5	19	147	27	33	31	42	79	22	35	38	25
4	7.3	23	146	33	34	29	41	95	25	27	29	18
5	11	18	83	28	25	55	38	54	21	18	25	16
6	9.0	19	132	31	29	65	40	35	22	19	25	18
7	11	19	88	30	20	44	31	31	23	19	21	19
8	9.3	21	70	31	20	42	28	34	23	17	15	9.9
9	11	21	57	23	25	39	58	33	20	19	14	8.5
10	12	20	46	70	32	32	44	30	20	15	20	13
11	11	22	99	53	49	31	37	29	23	16	17	7.9
12	19	18	88	42	37	32	41	27	18	17	16	7.6
13	28	20	61	41	167	37	47	27	18	17	28	8.3
14	22	27	49	28	231	34	40	25	19	25	20	12
15	18	91	41	25	72	34	38	27	18	21	22	8.3
16	15	56	27	27	52	37	39	25	17	23	25	6.6
17	15	33	24	23	52	34	33	24	17	16	26	11
18	12	29	28	50	35	31	32	24	16	22	20	9.7
19	14	29	26	58	33	33	33	24	14	24	17	12
20	16	78	27	45	35	52	112	20	15	17	24	16
21	12	57	29	29	27	63	57	45	15	14	18	20
22	11	40	34	22	30	47	49	69	15	15	18	20
23	16	35	30	29	33	43	46	40	14	21	21	20
24	16	121	31	31	33	33	46	29	14	14	24	20
25	16	72	23	30	28	50	31	27	15	18	18	22
26	12	50	21	32	27	41	29	25	12	22	16	24
27	13	35	24	47	118	33	37	25	14	32	20	22
28	17	94	83	32	69	50	34	32	15	35	16	12
29	12	49	58	29	42	50	31	34	15	70	27	9.1
30	18	35	44	23	—	42	33	30	13	62	29	8.5
31	19	—	42	25	—	34	—	29	—	77	33	—
TOTAL	425.7	1192	1716	1060	1437	1257	1231	1095	546	802	815	450.4
MEAN	13.7	39.7	55.4	34.2	49.6	40.5	41.0	35.3	18.2	25.9	26.3	15.0
MAX	28	121	147	70	231	65	112	95	29	77	104	25
MIN	7.3	18	21	22	20	29	28	20	12	13	14	6.6
CFSM	1.15	3.34	4.66	2.87	4.17	3.40	3.45	2.97	1.53	2.18	2.21	1.26
IN.	1.33	3.73	5.36	3.31	4.49	3.93	3.85	3.42	1.71	2.51	2.55	1.41

CAL YR 1983 TOTAL 10729.0 MEAN 29.4 MAX 286 MIN 6.4 CFSM 2.47 IN 33.54
WTR YR 1984 TOTAL 12027.1 MEAN 32.9 MAX 231 MIN 6.6 CFSM 2.77 IN 37.59

02204285 PATES CREEK NEAR FLIPPEN, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1978 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
07...	1600	12	—	58	1.9
NOV					
17...	0900	32	9.0	105	9.1
JAN					
04...	1435	31	6.0	69	5.8
FEB					
08...	1115	18	4.5	20	.97
MAR					
21...	1020	61	13.0	98	16
JUN					
12...	1530	19	22.5	42	2.2
JUL					
25...	0815	17	22.0	30	1.4
SEP					
05...	1350	15	20.5	27	1.1

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.

LOCATION.--Lat 33°29'04", long 83°57'29", Newton-Henry County line, Hydrologic Unit 03070103, at bridge on State Highway 81, 0.2 mi south of State Highway 212, and 0.5 mi upstream from Snapping Shoals Creek.

DRAINAGE AREA.--465 mi^2.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 06...	0915	300	210	191	7.0	7.1	19.0	23.0	4.0	44
NOV 01...	1100	295	170	189	7.1	7.3	14.0	21.0	6.1	60
DEC 06...	1445	3500	76	74	6.9	6.9	14.0	17.0	8.7	87
JAN 03...	1230	790	110	101	7.2	7.3	5.0	9.0	11.2	88
FEB 09...	0915	680	120	116	7.2	7.4	4.0	2.0	9.5	72
MAR 08...	1245	1230	83	85	7.1	7.1	9.5	15.0	10.4	93
APR 03...	1415	1160	95	96	7.0	7.2	13.5	18.0	8.3	81
MAY 01...	1115	880	94	97	7.0	7.4	18.5	24.0	7.3	80
JUN 05...	1015	500	138	131	7.2	7.4	21.0	34.0	7.5	85
JUL 09...	0800	390	122	123	7.2	7.3	23.0	23.5	6.5	77
AUG 07...	0800	870	85	83	6.8	7.1	23.0	23.5	6.4	75
SEP 04...	0930	400	160	154	7.3	7.5	23.0	26.0	6.7	79

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	8.0	12	6.2	490	36	10	128	1.8	1.31	1.7	1.50	4.0
NOV 01...	6.0	15	2.0	330	35	8	140	2.5	.100	.60	.930	5.3
DEC 06...	90	4	3.0	11000	16	160	268	.67	.060	.30	.340	7.7
JAN 03...	20	12	6.6	490	25	15	84	.91	.460	.80	.280	3.5
FEB 09...	12	<1	2.4	2300	26	7	88	1.2	.360	.60	.280	2.3
MAR 08...	28	<1	1.3	4900	20	35	110	.83	.080	.40	.260	3.6
APR 03...	31	9	1.9	4900	23	39	112	1.4	.090	.50	.230	3.2
MAY 01...	23	4	1.1	2300	24	25	120	1.1	.110	.30	.240	4.3
JUN 05...	15	3	.8	790	28	28	100	1.5	.050	.80	.340	3.6
JUL 09...	18	15	1.0	490	28	8	72	1.1	.050	.40	.370	4.2
AUG 07...	60	21	1.3	130000	21	58	104	.70	.030	.30	.280	4.8
SEP 04...	14	8	1.5	460	34	8	96	1.5	.050	.40	.410	4.0

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.—Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at county highway bridge, 3.2 mi west of Snellville, 4 mi downstream from Sweetwater Creek, 6.5 mi northeast of town of Stone Mountain, and 7.5 mi upstream from Stone Mountain Creek.

DRAINAGE AREA.—134 mi^2.

PERIOD OF RECORD.—November 1969 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge records for the water years 1943-71 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV										
01...	0700	63	130	149	7.4	7.6	13.5	12.5	10.0	98
FEB										
08...	1500	180	96	87	7.3	7.2	3.5	15.0	13.0	99
MAY										
01...	0545	370	74	76	7.1	7.3	16.5	10.5	8.8	93
AUG										
07...	1115	255	84	82	—	7.5	22.5	30.0	7.9	93

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV								
01...	7.0	1.0	80	35	1.3	.050	.090	2.9
FEB								
08...	15	1.2	20	23	.83	.100	.040	1.2
MAY								
01...	80	1.4	1300	22	.67	.150	.060	5.6
AUG								
07...	60	.9	1700	23	.67	.020	.070	3.6

02207300 YELLOW RIVER AT MILSTEAD, GA.

LOCATION.—Lat 33°41'23", long 83°59'49", Rockdale County, Hydrologic Unit 03070103, at bridge on State Highway 20 at Milstead, 2.2 mi northeast of Conyers.

DRAINAGE AREA.—236 mi^2, approximately (revised).

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
06...	0830	126	120	110	7.3	7.3	18.0	20.0	7.4	79
NOV										
01...	1010	124	100	112	7.3	7.6	13.5	18.5	8.4	82
DEC										
06...	1315	2500	45	44	6.8	6.8	14.0	17.0	9.1	92
JAN										
03...	1130	600	65	59	7.1	7.1	4.0	6.0	12.0	92
FEB										
09...	0815	270	85	78	7.3	7.0	3.0	-4.5	10.8	81
MAR										
08...	1145	630	55	59	7.2	7.1	8.0	14.5	11.0	95
APR										
03...	1330	800	58	58	7.6	7.1	12.0	18.0	9.4	89
MAY										
01...	1015	620	64	67	7.1	7.3	17.5	24.0	8.5	91
JUN										
05...	0915	250	95	88	7.3	7.3	21.0	31.0	7.6	86
JUL										
09...	0900	190	86	84	7.3	7.3	23.0	25.0	7.0	83
AUG										
07...	1000	650	73	69	—	7.3	23.0	30.0	7.5	89
SEP										
04...	1115	200	—	89	7.2	7.3	23.0	25.0	7.0	83

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
06...	15	.4	3300	170	30	1.1	.080	.080	1.2
NOV									
01...	10	.7	790	50	29	.88	.040	.020	4.0
DEC									
06...	160	1.9	28000	3300	12	.25	.020	.140	6.9
JAN									
03...	24	1.6	1300	80	16	.45	.130	<.020	3.6
FEB									
09...	12	1.0	490	50	21	.80	.050	<.020	1.9
MAR									
08...	24	.8	1400	170	16	.49	.080	.030	2.4
APR									
03...	60	1.7	4900	1300	17	.40	.040	.030	4.0
MAY									
01...	55	1.0	49000	790	21	1.1	.100	.030	3.7
JUN									
05...	15	.6	7900	170	22	.93	.020	<.020	1.9
JUL									
09...	34	.6	3300	790	23	.79	.040	.050	2.9
AUG									
07...	70	.8	70000	2300	19	.48	.040	.040	3.9
SEP									
04...	10	1.1	4900	230	26	.90	.050	.030	2.3

02208005 YELLOW RIVER NEAR STEWART, GA.

LOCATION.—Lat 33°26'26", long 83°52'43", Newton County, Hydrologic Unit 03070103, at bridge on State Highway 212, 2.5 mi northwest of Stewart.

DRAINAGE AREA.—440 mi², approximately.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 06...	0945	220	97	91	7.4	7.2	18.5	27.5	7.8	84
NOV 01...	1130	210	82	91	7.3	7.4	14.5	20.5	8.8	87
DEC 06...	1515	3800	45	44	6.8	6.8	13.5	17.0	9.2	91
JAN 03...	1300	1050	59	54	7.2	7.8	3.5	9.0	12.3	93
FEB 09...	0945	680	66	62	7.4	7.1	3.0	2.0	11.1	82
MAR 08...	1300	1250	49	50	7.1	7.2	9.5	15.0	10.4	93
APR 03...	1445	1100	53	53	7.0	7.2	13.5	18.0	9.3	90
MAY 01...	1145	750	55	57	7.1	7.5	18.5	24.5	8.4	91
JUN 05...	1045	550	77	71	7.3	7.5	21.0	34.0	7.8	89
JUL 09...	0730	450	79	75	7.3	7.4	24.0	22.0	7.2	86
AUG 07...	0730	1200	60	59	6.8	7.2	23.5	24.0	7.2	86
SEP 04...	0900	350	96	84	7.2	7.3	23.0	24.5	7.1	84

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	15	2	.6	330	23	1	.86	.070	<.10	.150	1.2
NOV 01...	9.0	7	.8	80	25	11	.67	.040	.70	.160	4.8
DEC 06...	65	6	1.9	—	11	34	.23	.030	<.10	.110	5.3
JAN 03...	26	7	1.8	220	15	12	.43	.120	.20	.060	3.1
FEB 09...	11	<1	1.0	20	17	5	.63	.040	.20	.060	1.9
MAR 08...	28	4	1.0	110	14	30	.45	.050	.30	.080	2.7
APR 03...	39	4	1.0	790	15	27	.39	.040	.20	.050	2.8
MAY 01...	27	3	.7	490	16	20	.48	.070	.30	.080	3.6
JUN 05...	20	1	.5	330	20	22	.69	.050	.10	.070	2.5
JUL 09...	50	—	.6	430	21	28	.82	<.020	—	.140	2.8
AUG 07...	55	—	.9	1100	17	38	.43	.020	—	.080	5.5
SEP 04...	23	—	1.9	33000	22	26	.86	.400	—	.210	6.8

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.

LOCATION.—Lat 33°38'24", long 83°46'45", Newton County, Hydrologic Unit 03070103, at right bank on city of Covington water works intake structure, 400 ft upstream from bridge on Alcovy Road, 600 ft upstream from Georgia Railroad trestle, and 6 mi northeast of Covington.

DRAINAGE AREA.—185 mi^2, approximately.

PERIOD OF RECORD.—January 1972 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 650 ft, from topographic map.

REMARKS.—Records good, except those of no gage-height record, Dec. 25 to Jan. 2, which are poor. Discharge affected by diversions by city of Covington.

AVERAGE DISCHARGE.—12 years, 272 ft^3/s, 19.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 6,530 ft^3/s Mar. 16, 1976, gage height, 14.79 ft; minimum daily discharge, 5.5 ft^3/s July 26, 1981.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 8	0400	2820	11.46	Aug. 1	2200	*3080	11.76

Minimum daily discharge, 52 ft^3/s Oct. 9, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	81	518	580	294	589	513	370	265	204	2490	117
2	63	79	547	400	281	429	409	364	209	200	2280	109
3	60	79	476	353	275	370	436	523	186	195	1130	103
4	56	80	1020	330	304	341	555	1110	171	157	847	101
5	55	83	1340	315	[illegible]	364	568	1220	159	136	617	105
6	59	86	1770	302	298	594	489	1000	149	136	448	103
7	61	86	1880	287	270	695	403	654	143	130	359	97
8	55	83	2360	269	253	585	358	518	139	136	354	92
9	52	82	1090	253	245	442	414	456	134	127	295	90
10	53	84	654	361	245	376	567	408	130	112	245	89
11	52	84	565	695	315	345	585	358	126	103	212	88
12	77	84	842	735	332	326	509	320	120	98	199	86
13	146	83	1060	650	423	346	430	296	116	102	220	83
14	239	91	948	452	844	371	407	277	113	132	294	81
15	256	300	626	378	891	359	432	260	110	139	276	78
16	203	503	478	347	804	325	382	243	107	157	263	76
17	124	478	400	325	566	320	341	228	103	158	204	71
18	99	399	351	388	632	327	315	214	100	431	173	67
19	88	241	321	674	377	321	311	202	95	362	161	67
20	84	226	299	763	347	351	514	197	92	258	151	69
21	81	311	282	703	324	676	907	193	90	196	140	70
22	79	344	315	504	306	709	1000	231	137	188	134	68
23	93	316	417	407	315	662	844	340	130	284	131	67
24	126	355	539	390	325	471	646	337	117	230	127	68
25	140	543	460	405	302	432	546	257	153	230	120	67
26	115	672	340	409	278	403	449	216	124	267	117	66
27	96	665	300	417	462	360	415	207	104	408	116	64
28	88	527	600	412	783	453	432	236	96	384	114	62
29	85	646	900	384	740	622	439	269	94	587	117	63
30	[illegible]	606	1000	344	—	799	399	325	167	870	125	69
31	84	—	750	314	—	751	—	351	—	2220	128	—
TOTAL	3019	8297	23248	13546	11948	14514	15015	12150	3979	9337	12587	[illegible]
MEAN	97.4	277	750	437	412	468	501	392	133	301	406	81.2
MAX	256	672	2360	763	891	799	1000	1220	[illegible]	2220	2490	117
MIN	52	79	282	253	245	320	311	193	90	98	114	62
CFSM	.53	1.50	4.05	2.36	2.23	2.53	2.71	2.12	.72	1.63	2.20	.44
IN.	.61	1.67	4.67	[illegible]	2.40	2.92	3.02	2.44	.80	1.88	2.53	.49

CAL YR 1983 TOTAL 119648 MEAN 328 MAX 2940 MIN 21 CFSM 1.77 IN 24.06
WTR YR 1984 TOTAL 130076 MEAN 355 MAX 2490 MIN 52 CFSM 1.92 IN 26.16

02209260 ALCOVY RIVER ABOVE STEWART, GA.

LOCATION.—Lat 33°26'58", long 83°49'42", Newton County, Hydrologic Unit 03070103, at bridge on Newton Factory Bridge Road, 2.6 mi northeast of Stewart.

DRAINAGE AREA.—250 mi², approximately.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 06...	1015	54	51	7.6	7.1	19.0	26.0	8.7	95
NOV 01...	1215	50	55	7.4	7.4	14.0	22.0	9.6	94
DEC 06...	1550	36	35	6.5	6.5	14.0	17.0	8.8	88
JAN 03...	1330	41	38	7.1	6.8	2.0	10.0	12.8	93
FEB 09...	1000	44	41	7.3	6.9	2.5	4.0	11.0	81
MAR 08...	1330	34	36	7.0	7.1	10.0	15.0	10.6	96
APR 03...	1515	43	41	6.9	7.1	14.5	18.5	9.3	93
MAY 01...	1215	43	45	7.0	7.3	19.0	25.0	8.5	93
JUN 05...	1100	49	47	7.4	7.3	20.0	34.0	8.7	96
JUL 09...	0645	55	52	7.2	7.2	23.0	22.0	7.6	90
AUG 07...	0700	43	47	6.7	7.2	23.0	24.0	7.4	87
SEP 04...	0845	64	--	7.3	7.2	22.5	24.0	7.8	91

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	9.0	.5	50	17	3	.33	.030	.020	1.2
NOV 01...	8.0	.6	30	20	5	.20	.040	<.020	2.8
DEC 06...	50	2.0	790	8.0	68	.15	.010	.090	5.8
JAN 03...	13	2.2	20	10	<1	.36	.080	<.020	2.7
FEB 09...	9.0	1.2	20	13	2	.40	.040	<.020	1.9
MAR 08...	20	.2	130	11	15	.31	.080	.050	3.8
APR 03...	25	1.0	790	13	17	.40	.150	.030	4.1
MAY 01...	15	.5	40	16	6	.37	.090	.050	3.6
JUN 05...	15	.3	20	16	14	.40	.040	<.020	2.6
JUL 09...	15	.5	110	18	6	.48	.020	.040	3.2
AUG 07...	17	.7	20	15	6	.25	.030	.060	4.5
SEP 04...	10	1.7	20	18	<1	.35	.030	.030	3.2

02210500 OCMULGEE RIVER NEAR JACKSON, GA.

LOCATION.—Lat 33°18'27", long 83°50'18", Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500 ft upstream from bridge on State Highway 16, 0.5 mi upstream from Yellow Water Creek, 1 mi downstream from Lloyd Shoals Dam, and 7 mi east of Jackson.

DRAINAGE AREA.—1,420 mi^2, approximately.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge records for water years 1906-15, 1939-60, and 1975-82 are published in records of the U.S. Geological Survey. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 06...	1100	—	90	91	6.9	6.9	21.0	23.5	4.5	51
NOV 01...	1300	1700	—	102	7.0	7.3	18.0	22.0	5.4	57
DEC 06...	1645	10800	56	56	7.0	7.0	12.5	16.0	9.8	94
JAN 03...	1430	2200	61	56	7.3	6.8	3.5	10.0	11.3	85
FEB 09...	1030	2150	71	66	7.1	7.1	6.0	8.0	8.9	71
MAR 08...	1415	2400	57	59	7.0	7.1	9.5	15.0	10.0	89
APR 03...	1600	4000	58	58	6.9	7.0	13.5	22.0	8.5	83
MAY 01...	1300	2500	56	58	6.9	7.2	17.5	28.0	7.7	82
JUN 05...	1145	—	71	68	6.8	6.9	21.0	30.0	6.5	73
JUL 09...	0600	—	98	96	—	6.9	24.5	21.0	2.7	33
AUG 07...	0615	3150	54	52	7.1	7.0	23.0	24.0	5.7	67
SEP 04...	0800	3120	88	83	6.8	6.9	24.5	22.0	4.0	48

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	5.0	2.2	<20	23	9	.57	.090	.070	2.6
NOV 01...	4.0	1.6	<20	25	7	.65	.150	.090	3.8
DEC 06...	60	2.3	2300	13	40	.36	.070	.130	4.7
JAN 03...	50	2.7	460	13	14	.47	.150	.060	4.0
FEB 09...	18	1.3	20	16	—	.74	.110	.080	2.5
MAR 08...	29	.2	310	15	18	.58	.100	.100	2.4
APR 03...	60	1.0	310	14	12	.44	.060	.060	4.4
MAY 01...	20	1.0	40	17	<1	.44	.110	.050	3.5
JUN 05...	18	1.1	80	20	14	.49	.130	.050	3.0
JUL 09...	5.0	1.2	<20	25	1	.59	.090	.060	2.8
AUG 07...	43	1.0	130	15	9	.22	.040	.080	5.1
SEP 04...	7.0	1.7	<20	22	<1	.62	.110	.060	3.4

02212500 OCMULGEE RIVER AT JULIETTE, GA.

LOCATION.—Lat 33°05'50", long 83°47'10", Monroe-Jones County line, Hydrologic Unit 03070103, on left bank 0.9 mi downstream from Juliette Mills at Juliette, and 2.5 mi downstream from Towaliga River.

DRAINAGE AREA.—1,960 mi^2.

PERIOD OF RECORD.—June 1916 to September 1921, July 1974 to current year.

REVISED RECORDS.—WSP 1304: Drainage area. WRD GA-80-1: 1920(M), 1975(M).

GAGE.—Water-stage recorder. Datum of gage is 340.97 ft, National Geodetic Vertical Datum of 1929.

REMARKS.—Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

AVERAGE DISCHARGE.—15 years (1916-21, 1974-84), 2,647 ft^3/s, 18.34 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 67,400 ft^3/s Dec. 11, 1919, gage height, 30.8 ft; minimum daily discharge, 363 ft^3/s Oct. 7, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, about 32 ft in May 1886, from floodmarks, discharge, 73,000 ft^3/s revised.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	2230	17000	15.00	Aug. 2	0800	*26100	19.23
May 4	2000	17300	15.15				

Minimum daily discharge, 602 ft^3/s Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	944	1090	4640	5520	2690	6540	5630	3800	3940	1180	17000	1010
2	643	1040	2510	3900	2620	3340	5090	2830	2030	1070	24200	821
3	634	1010	4520	3440	2620	3220	4740	3900	1980	1770	18000	803
4	648	664	13900	2660	2620	3160	3750	15000	1370	2410	11800	859
5	641	649	15800	2620	2600	3360	4640	15000	941	1600	7090	1000
6	602	631	12900	2570	2560	5580	3940	10000	1680	1310	5970	969
7	649	1040	12600	2530	2500	8590	3040	7670	2010	1690	4280	801
8	615	1620	12300	2490	2470	6180	3000	5340	1440	1260	1880	796
9	617	755	10700	2470	2490	3300	4550	4520	1660	1190	2130	989
10	612	731	7460	3080	2480	3170	8370	4300	838	1100	1950	953
11	607	730	4220	4760	2500	3860	6580	3600	1230	1040	1620	936
12	652	740	10400	7130	2480	3060	5020	2380	1700	763	1540	975
13	1250	731	11400	6090	3460	3040	3370	1920	827	1140	2320	1080
14	2310	774	8820	4970	7550	3070	3300	1730	1060	1420	2740	802
15	2090	1620	6570	3480	10900	3040	3460	1380	1070	2030	3880	862
16	1400	4030	2880	3290	9060	3030	3430	1330	1010	2160	3150	877
17	1030	3770	2630	2750	6030	4290	3370	1310	794	2730	2280	701
18	889	3370	2560	3120	3060	3170	3300	1290	958	3700	2180	723
19	986	2180	2520	7080	3090	2840	3210	1290	1420	5370	1740	927
20	664	2620	2490	8990	3060	2950	3840	1570	1050	3970	2840	966
21	636	2710	2470	7090	3000	6190	7570	1860	814	2000	2560	857
22	814	3560	2870	5750	2950	7940	8420	2060	1100	1620	2750	691
23	999	3420	3140	3970	2970	6690	7400	2540	1140	2210	2530	687
24	835	3710	5320	3070	2860	5190	6120	3460	1020	4320	913	728
25	1080	9130	4950	3900	2830	4770	4280	3070	1020	2540	836	920
26	864	8310	4190	3710	2760	5250	2480	2610	1080	2250	826	893
27	884	6340	2900	4090	6020	3570	2470	2320	729	2110	817	866
28	931	5910	2890	4070	9670	3720	3350	2320	902	2950	845	835
29	948	6360	4390	3830	9560	4840	3960	2780	983	4540	1100	807
30	1150	5960	7320	3660	—	6320	3240	3960	907	5670	2120	689
31	829	—	6770	3460	—	6090	—	4650	—	12800	2180	—
TOTAL	28453	85205	199030	129540	119460	139360	134920	121790	38703	81913	136067	25823
MEAN	918	2840	6420	4179	4119	4495	4497	3929	1290	2642	4389	861
MAX	2310	9130	15800	8990	10900	8590	8420	15000	3940	12800	24200	1080
MIN	602	631	2470	2470	2470	2840	2470	1290	729	763	817	687

CAL YR 1983 TOTAL 1101128 MEAN 3017 MAX 26300 MIN 525 MEAN† 3023 CFSM† 1.54 IN† 20.94
WTR YR 1984 TOTAL 1240264 MEAN 3389 MAX 24200 MIN 602 MEAN† 3384 CFSM† 1.73 IN† 23.50

† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

02212600 FALLING CREEK NEAR JULIETTE, GA.
(Hydrologic bench-mark station)

LOCATION.—Lat 33°05'59", long 83°43'25", Jones County, Hydrologic Unit 03070103, on left bank 100 ft upstream from highway bridge, 4 mi upstream from Caney Creek, and 5.1 mi east of Juliette.
DRAINAGE AREA.—72.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.
GAGE.—Water-stage recorder. Altitude of gage is 370 ft, from topographic map.
REMARKS.—Records good.
AVERAGE DISCHARGE.—20 years, 66.9 ft^3/s, 12.58 in/yr.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 7,700 ft^3/s Mar. 2, 1971, gage height, 23.0 ft, from floodmark; minimum, 0.08 ft^3/s Oct. 5-7, 1981.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 27	0015	1320	11.11	Aug. 2	2020	*2020	13.68

Minimum daily discharge, 2.7 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	5.8	65	67	56	105	60	40	29	7.8	692	7.2
2	3.9	5.8	53	60	53	81	55	37	24	11	1310	6.5
3	3.7	6.1	288	56	51	69	70	39	19	16	263	6.0
4	3.7	6.3	802	53	55	65	94	615	17	12	136	5.7
5	3.7	6.6	253	50	53	119	71	186	14	8.2	86	6.1
6	3.6	7.0	313	48	48	504	58	81	13	17	86	6.1
7	3.4	6.8	250	45	46	258	52	57	12	72	61	5.7
8	3.1	6.8	112	43	44	129	48	53	11	28	52	5.2
9	2.7	7.7	79	42	44	92	157	44	10	17	40	4.8
10	2.8	8.1	65	260	43	74	440	36	9.5	12	34	4.9
11	3.1	8.4	182	518	43	66	135	31	8.9	8.8	29	4.7
12	4.0	8.2	572	169	43	60	88	28	8.4	7.5	24	4.4
13	6.3	7.7	181	102	433	62	68	25	7.8	6.8	22	4.3
14	14	11	105	78	544	61	58	24	7.5	16	18	4.1
15	8.2	111	77	67	187	55	56	22	7.0	15	15	3.7
16	5.6	98	62	64	109	51	51	20	6.6	12	13	3.4
17	4.3	48	55	58	81	51	48	19	6.1	19	11	3.2
18	4.2	31	51	96	66	54	47	17	5.7	89	11	3.0
19	4.2	24	49	472	59	51	45	16	5.4	96	10	3.1
20	4.3	35	47	170	54	62	53	15	5.2	47	11	3.2
21	4.5	79	45	100	50	259	52	14	5.6	32	15	3.0
22	5.7	46	49	74	48	118	64	32	8.6	24	11	3.0
23	7.0	32	53	64	64	77	87	55	9.7	34	10	3.1
24	14	151	49	76	59	63	57	36	7.9	42	12	3.4
25	11	478	45	106	50	241	47	26	12	45	10	3.7
26	7.5	120	53	97	47	170	42	33	12	80	9.0	3.7
27	6.3	62	42	176	746	99	41	41	7.9	50	8.0	3.4
28	5.5	460	96	161	622	109	49	36	6.4	38	7.5	3.1
29	5.0	299	236	99	166	150	48	86	7.5	73	7.4	3.2
30	5.0	101	140	75	—	95	43	60	7.9	245	7.9	3.4
31	5.3	—	84	62	—	70	—	40	—	638	7.8	—
TOTAL	169.7	2277.3	4553	3608	3964	3520	2284	1864	312.6	1819.1	2029.6	128.3
MEAN	5.47	75.9	147	116	137	114	76.1	60.1	10.4	58.7	97.7	4.28
MAX	14	478	802	518	746	504	440	615	29	638	1310	7.2
MIN	2.7	5.8	42	42	43	51	41	14	5.2	6.8	7.4	3.0
CFSM	.08	1.05	2.04	1.61	1.90	1.58	1.05	.83	.14	.81	1.35	.06
IN.	.09	1.17	2.35	1.86	2.04	1.81	1.18	.96	.16	.94	1.56	.07

CAL YR 1983 TOTAL 30088.5 MEAN 82.4 MAX 2120 MIN 1.6 CFSM 1.14 IN 15.30
WTR YR 1984 TOTAL 27529.6 MEAN 75.2 MAX 1310 MIN 2.7 CFSM 1.04 IN 14.18

02212600 FALLING CREEK NEAR JULIETTE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1967 to current year.
PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: August 1965 to September 1979.
EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURES: Maximum, 31.5°C Aug. 3, 1970; minimum, 0.0°C Jan. 9, 10, 1970, Dec. 26, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
18...	0715	4.2	140	154	7.8	7.5	15.0	8.6	86
JAN									
10...	0830	45	85	90	7.5	7.2	7.0	11.2	94
JUN									
05...	0700	15	115	119	7.6	7.3	19.5	8.0	89
AUG									
28...	0800	7.5	130	130	7.7	7.7	21.5	7.6	87

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
18...	1.8	K85	1200	51	0	11	5.7	12	33	.8	1.7
JAN											
10...	16	160	1400	32	0	6.9	3.5	6.3	29	.5	1.0
JUN											
05...	7.0	K70	330	45	0	10	4.9	6.9	24	.5	1.1
AUG											
28...	4.0	200	630	52	0	12	5.4	7.8	24	.5	1.4

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT										
18...	68	2.1	5.4	4.9	1.2	21	107	100	1.2	.15
JAN										
10...	36	2.2	7.0	3.5	.30	16	74	66	9.0	.10
JUN										
05...	55	2.7	2.7	3.0	.50	21	83	84	3.4	.11
AUG										
28...	64	2.5	1.8	3.4	.70	22	107	93	2.2	.15

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT						
18...	<.10	.050	.30	.010	.010	<.010
JAN						
10...	.11	.030	.20	.040	.020	<.010
JUN						
05...	.15	.090	.40	.020	.020	<.010
AUG						
28...	<.10	<.010	.10	<.010	<.010	<.010

02212600 FALLING CREEK NEAR JULIETTE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 18...	20	1	31	<.5	<1	<1	<3	1	360	2
JUN 05...	30	<1	30	<.0	<1	<1	<3	1	380	1
AUG 28...	—	—	—	—	—	—	—	—	340	—

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 18...	<4	140	.3	<10	2	<1	<1	99	<6	5
JUN 05...	<4	83	<.1	<10	3	<1	<1	92	<6	8
AUG 28...	—	170	—	—	—	—	—	—	—	—

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	0720	4.2	15.0	4	.05	62
JAN 10...	0835	45	7.0	17	2.1	67
JUN 05...	0705	15	19.5	8	.32	91
AUG 28...	0805	7.5	21.5	11	.22	53

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
JUN 05...	0710	15	<1.9	<.4	1.5	<.4	1.3	<.4	.05	.02

02212950 OCMULGEE RIVER ABOVE MACON, GA.

LOCATION.—Lat 32°52'11", long 83°39'15", Bibb County, Hydrologic Unit 03070103, at Macon waterworks intake, 1.2 mi north of Macon city limits, and at mile 201.

DRAINAGE AREA.—2,240 mi^2, approximately.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Discharge obtained from gaging station 02213000, Ocmulgee River at Macon, Ga. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 27...	1055	692	98	100	7.5	7.5	17.0	18.5	9.1	95
NOV 28...	1140	6440	76	75	7.3	7.2	14.5	19.0	9.6	96
DEC 13...	1430	13100	50	47	7.1	6.9	10.5	8.0	10.8	99
JAN 18...	1450	3160	63	60	7.2	7.2	8.0	14.0	11.7	100
FEB 14...	1600	8860	55	59	7.1	7.2	12.5	18.5	10.8	103
MAR 15...	0900	3400	65	64	—	7.2	11.5	12.0	10.9	100
APR 17...	1300	3660	63	59	7.3	7.3	16.0	15.0	9.6	100
MAY 08...	1330	6700	54	66	—	7.2	21.0	21.0	8.6	98
JUN 05...	1300	1080	—	66	7.2	7.4	25.5	33.0	7.5	92
JUL 23...	1330	2390	83	76	7.2	7.2	26.5	29.0	7.2	90
AUG 06...	1500	7510	59	55	7.0	7.0	25.0	35.0	7.5	91
SEP 04...	1330	913	84	76	7.5	7.5	27.0	23.0	7.0	89

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	4.0	—	.9	3300	80	27	8	.47	.010	—	.060	3.9
NOV 28...	50	—	2.3	49000	2300	19	61	.49	.060	—	.170	4.5
DEC 13...	50	—	1.1	1100	460	12	10	.25	.030	—	.120	7.1
JAN 18...	26	—	.7	1100	80	16	9	.49	.090	—	.050	2.5
FEB 14...	100	—	1.4	4600	1300	16	84	.43	.060	—	.090	8.5
MAR 15...	32	—	.6	3300	20	16	20	.46	.040	—	.070	2.2
APR 17...	22	—	1.7	2300	80	16	14	.41	.020	—	.060	1.9
MAY 08...	70	—	1.5	4900	490	16	52	.41	.050	—	.090	4.1
JUN 05...	9.0	—	.7	1100	50	18	22	.47	.030	—	.040	3.4
JUL 23...	31	13	.8	7900	1300	21	42	.44	.060	.20	.450	13
AUG 06...	70	22	1.2	30000	7500	15	47	.24	.020	.60	.080	7.1
SEP 04...	5.0	8	.9	790	<20	22	2	.33	.030	.40	.030	3.2

02213000 OCMULGEE RIVER AT MACON, GA.

LOCATION.—Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 mi upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.—2,240 mi^2, approximately.

PERIOD OF RECORD.—January 1893 to December 1911, January 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.—Water-stage recorder. Datum of gage is 269.80 ft, National Geodetic Vertical Datum of 1929. Prior to Oct. 9, 1905, nonrecording gage at sites within 1.5 mi downstream at about same datum. Oct. 9, 1905, to Dec. 31, 1913, nonrecording gage at present site and datum. Jan. 10, 1929, to June 25, 1934, water-stage recorder at site 500 ft downstream at same datum. June 25, 1934, to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973, to Oct. 13, 1974, nonrecording gage at present site and datum.

REMARKS.—Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.) Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—74 years (1893-1911, 1928-84), 2,736 ft^3/s, 16.59 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 83,500 ft^3/s Nov. 29, 1948, gage height, 28.0 ft; maximum gage height, 29.45 ft, from floodmark, Mar. 4, 1971; minimum daily discharge, 128 ft^3/s Oct. 24, 1954; minimum gage height observed, -1.0 ft Oct. 5, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Jan. 19, 1925, reached a stage of 26.0 ft, from floodmarks at Central of Georgia Railroad bridge, 500 ft downstream, discharge 72,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 14,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 5	0600	18400	19.84	Aug. 2	1800	*28900	22.73
May 5	0600	18200	19.76				

Minimum daily discharge, 559 ft^3/s Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	987	1040	5880	6600	3310	8870	6690	4260	4830	1050	17000	1750
2	634	1110	3140	4860	2900	4550	6070	3260	2570	1080	26200	966
3	600	1080	3360	3980	2840	3800	5730	3520	2110	1460	21900	927
4	606	698	13600	3070	2930	3620	5070	12900	1930	2230	15500	914
5	619	623	17700	2790	2890	3870	5110	16900	1110	1810	9350	1110
6	599	605	15400	2730	2800	7550	5180	12500	1350	1740	7860	1110
7	559	594	13900	2670	2680	9650	3740	9210	2000	1710	5900	894
8	606	1550	13600	2610	2600	8710	3460	6800	1750	1630	2960	886
9	572	1060	12000	2570	2600	4560	3940	5210	1810	1410	2440	1050
10	577	713	10300	3630	2610	3850	9320	4770	1170	1180	2210	1040
11	562	692	5180	6840	2630	4010	8270	4370	888	1110	2200	977
12	574	691	11000	7510	2630	3970	6590	2920	1880	778	1860	1050
13	656	704	13200	7410	4240	3440	4350	2300	1140	1040	2140	1100
14	2000	729	10700	6190	8810	3450	3720	1990	1090	1630	2820	939
15	2110	1130	8660	4530	11500	3390	3750	1630	1090	1780	3420	954
16	1730	3210	4250	3800	10900	3320	3760	1450	1130	2220	4000	926
17	1350	3870	3040	3160	7950	4080	3680	1430	840	2430	2560	770
18	730	3420	2840	3260	4040	4100	3580	1400	791	3420	2430	725
19	1170	2540	2750	8430	3450	3150	3460	1380	1420	5310	2130	868
20	703	2340	2680	10100	3390	3190	3630	1420	1220	5080	2590	1050
21	642	2860	2650	8780	3280	6180	6810	1870	784	2480	2850	922
22	603	2950	2800	7000	3240	8320	9370	2160	1060	1860	2650	736
23	1120	3630	3300	5380	3360	7960	8630	2780	1170	2170	2890	708
24	749	3740	4910	3900	3230	6630	7410	3340	1210	4140	1680	712
25	1070	9230	5660	4490	3110	7700	5480	3340	856	3150	1040	891
26	1080	9970	4720	4670	3020	7300	3310	3030	1280	2440	994	890
27	749	7690	3790	4910	7510	5420	2620	2630	790	2300	968	882
28	932	7010	2890	5240	11200	6180	3120	2520	718	2590	966	831
29	986	7840	4560	4660	11500	6130	4480	4000	1240	4710	1190	825
30	1140	6870	7440	4250	—	7100	3430	3540	953	6310	1620	698
31	817	—	7980	4010	—	7140	—	5040	—	14200	2240	—
TOTAL	27832	90189	223880	154030	137150	171190	153760	133870	42180	86448	156558	28101
MEAN	898	3006	7222	4969	4729	5522	5125	4318	1406	2789	5050	937
MAX	2110	9970	17700	10100	11500	9650	9370	16900	4830	14200	26200	1750
MIN	559	594	2650	2570	2600	3150	2620	1380	718	778	966	698

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CAL YR 1983  TOTAL  1242054  MEAN  3403  MAX  32200  MIN 443  MEAN†  3409  CFSM†  1.52  IN†  20.66
WTR YR 1984  TOTAL  1405188  MEAN  3839  MAX  26200  MIN 559  MEAN†  3834  CFSM†  1.71  IN†  23.30
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† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

02213050 WALNUT CREEK NEAR GRAY, GA.

LOCATION.—Lat 32°58'20", long 83°37'08", Jones County, Hydrologic Unit 03070103, on downstream side of right bank pier of abandoned bridge, 500 ft downstream from bridge on State Highway 18, 1.4 mi upstream from Bonner Creek, and 5.5 mi southwest of Gray.

DRAINAGE AREA.—29 mi^2, approximately.

PERIOD OF RECORD.—October 1961 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 390 ft, from topographic map.

REMARKS.—Records good except those for period of doubtful or no gage-height record, Dec. 31 to Jan. 18, June 20 to July 2, which are fair.

AVERAGE DISCHARGE.—23 years, 33.5 ft^3/s, 15.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 15,500 ft^3/s Dec. 26, 1964, gage height, 23.8 ft, from floodmark, from rating curve extended above 5,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum daily discharge, no flow Oct. 3-5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.—Zero flow was observed during June, July, and August 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 27	1100	1260	4.63	July 30	1945	1180	4.49
Mar. 25	0715	*2170	7.23				

Minimum daily discharge, 1.0 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.8	12	22	29	51	48	24	10	9.0	183	4.5
2	1.5	1.8	10	20	26	42	44	18	9.0	6.6	110	4.2
3	1.4	1.9	25	18	24	36	59	32	8.1	5.6	58	4.0
4	4.0	2.0	97	17	41	32	66	31	7.4	4.9	36	4.1
5	6.7	2.1	38	16	32	173	56	23	6.8	4.1	32	4.5
6	6.3	2.1	88	15	25	244	47	18	6.4	5.7	29	4.1
7	5.6	2.3	46	15	23	113	43	16	6.2	38	19	3.8
8	3.1	2.6	26	14	22	67	40	15	5.9	9.5	15	3.6
9	1.0	2.5	20	13	21	51	46	14	5.6	9.7	13	3.6
10	1.3	2.7	16	289	21	42	40	13	5.4	8.3	13	3.8
11	1.3	2.7	85	214	21	37	35	12	5.2	7.3	11	3.6
12	1.7	2.7	113	71	21	34	28	12	5.1	4.5	13	3.5
13	3.5	2.8	45	47	181	33	25	11	4.8	4.2	14	3.3
14	4.0	4.4	30	36	241	31	24	11	4.5	30	12	3.1
15	2.6	15	22	30	77	29	22	11	4.2	8.2	10	3.0
16	2.2	11	18	29	54	28	20	10	4.0	5.9	8.5	2.7
17	2.0	5.7	16	25	43	27	20	9.7	3.7	5.4	8.0	2.6
18	2.2	4.6	14	90	37	26	19	9.3	3.6	8.0	7.5	2.5
19	2.0	4.4	13	263	32	25	18	9.1	3.4	8.7	7.4	2.8
20	1.9	23	13	73	29	36	26	8.8	3.3	6.3	7.5	2.8
21	2.2	20	12	50	26	64	21	8.8	4.0	6.0	6.4	2.8
22	2.3	7.4	17	38	27	34	19	14	6.7	6.9	6.1	2.8
23	3.4	6.0	17	32	47	28	22	21	5.5	8.9	8.8	2.8
24	3.7	79	13	58	31	26	18	12	5.9	5.5	12	3.2
25	2.7	72	12	75	27	769	16	10	6.2	4.6	7.1	3.2
26	2.2	17	12	56	24	127	15	12	4.1	9.0	6.1	2.7
27	1.9	11	11	118	437	70	17	13	3.5	17	5.7	2.5
28	1.8	74	41	71	136	131	21	14	3.3	62	5.4	2.5
29	1.8	33	60	50	68	123	17	86	18	51	5.5	2.7
30	1.8	16	35	40	—	67	16	20	12	335	5.8	3.4
31	1.7	—	25	32	—	54	—	13	—	214	5.2	—
TOTAL	81.3	433.5	1002	1937	1823	2850	908	551.7	181.8	909.8	681.0	98.7
MEAN	2.62	14.5	32.3	62.5	62.9	91.9	30.3	17.8	6.06	29.3	22.0	3.29
MAX	6.7	79	113	289	437	769	66	86	18	335	183	4.5
MIN	1.0	1.8	10	13	21	25	15	8.8	3.3	4.1	5.2	2.5
CFSM	.09	.50	1.11	2.16	2.17	3.17	1.05	.61	.21	1.01	.76	.11
IN.	.10	.56	1.29	2.48	2.34	3.66	1.16	.71	.23	1.17	.87	.13

CAL YR 1983 TOTAL 13523.5 MEAN 37.1 MAX 1490 MIN 1.0 CFSM 1.28 IN 17.35
WTR YR 1984 TOTAL 11457.8 MEAN 31.3 MAX 769 MIN 1.0 CFSM 1.08 IN 14.70

02213500 TOBESOFKEE CREEK NEAR MACON, GA.

LOCATION.—Lat 32°48'32", long 83°45'30", Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on State Highway 22 connector, 8 mi west of Macon, and 14 mi upstream from mouth.

DRAINAGE AREA.—182 mi^2.

PERIOD OF RECORD.—March 1937 to current year.

REVISED RECORDS.—WSP 1204: 1942.

GAGE.—Water-stage recorder. Datum of gage is 309.98 ft, National Geodetic Vertical Datum of 1929. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

REMARKS.—Records good. Flow regulated to some extent since November 1967 by Lake Tobesofkee, about 1 mi upstream. Records of chemical analyses for the water years 1969-70 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—47 years, 197 ft^3/s, 14.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 9,830 ft^3/s Mar. 21, 1944, gage height, 23.2 ft, from rating curve extended above 6,300 ft^3/s; minimum, 2.3 ft^3/s Oct. 10, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 11	2115	1910	9.15	Mar. 28	0530	2170	9.99
Feb. 27	1030	2340	10.49	July 30	1815	4050	14.96
Mar. 25	0545	4260	15.40	Aug. 2	1000	*4290	15.47

Minimum daily discharge, 29 ft^3/s Sept. 26, 27, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	36	201	148	216	309	291	172	160	68	906	59
2	33	36	153	189	179	248	280	169	121	71	2750	58
3	32	35	120	190	169	226	298	174	95	69	707	57
4	32	34	879	178	168	213	505	221	94	68	944	58
5	31	35	557	169	173	372	446	255	92	69	58	57
6	32	37	828	168	181	1310	315	200	92	72	772	54
7	32	37	476	167	176	773	236	187	88	85	180	52
8	32	36	295	162	170	515	189	189	90	97	104	50
9	33	36	190	154	161	367	189	185	90	102	98	49
10	33	35	176	641	151	335	224	171	91	93	99	46
11	33	40	636	1050	144	284	242	156	90	87	102	45
12	31	41	1250	525	140	226	228	140	88	82	109	44
13	31	38	818	269	674	209	214	126	86	79	114	44
14	34	38	538	265	1350	206	207	118	83	90	116	44
15	36	39	129	258	870	194	203	117	80	90	118	43
16	38	52	46	255	370	181	203	112	75	88	117	45
17	38	63	60	242	113	183	201	107	71	91	115	44
18	37	66	101	126	163	182	193	99	67	140	112	41
19	39	67	158	830	219	180	189	91	64	159	109	38
20	39	100	154	701	206	194	187	85	61	131	107	35
21	39	164	152	408	192	792	188	85	61	111	104	32
22	39	139	155	219	185	481	187	104	61	116	101	32
23	37	102	164	149	213	335	205	247	60	674	97	31
24	39	513	436	168	194	265	231	191	62	275	93	30
25	40	545	317	479	178	2700	201	154	63	178	84	31
26	41	274	54	433	161	376	186	140	64	127	77	29
27	41	175	35	456	1460	506	178	136	61	113	70	29
28	40	691	43	498	1290	1530	178	150	60	123	65	30
29	38	591	1040	411	611	886	172	891	62	164	65	29
30	37	292	107	337	—	281	170	454	64	1550	62	30
31	37	—	122	258	—	281	—	236	—	1620	61	—
TOTAL	1106	4387	10390	10503	10477	15140	6930	5862	2396	6882	8616	1266
MEAN	35.7	146	335	339	361	488	231	189	79.9	222	278	42.2
MAX	41	691	1250	1050	1450	2700	505	891	160	1620	2750	59
MIN	31	34	35	126	113	180	170	85	60	68	58	29
CFSM	.20	.80	1.84	1.86	1.98	2.68	1.27	1.04	.44	1.22	1.53	.23
IN.	.23	.90	2.12	2.15	2.14	3.09	1.42	1.20	.49	1.41	1.76	.26

CAL YR 1983 TOTAL 84919 MEAN 233 MAX 3390 MIN 30 CFSM 1.28 IN 17.36
WTR YR 1984 TOTAL 83961 MEAN 229 MAX 2750 MIN 29 CFSM 1.26 IN 17.16

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.

LOCATION.—Lat 32°40'17", long 83°36'11", Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 mi upstream from Echeconnee Creek, 4 mi northeast of Warner Robins, and 5.7 mi downstream from Tobesofkee Creek.
DRAINAGE AREA.—2,690 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1972 to current year, discharge below 3,600 ft³/s, only.
GAGE.—Water-stage recorder. Altitude of gage is 251 ft, from topographic map.
REMARKS.—Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)
EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 15.07 ft Feb. 25, 1979; minimum daily discharge, 397 ft³/s Sept. 28, 1981.
EXTREMES FOR CURRENT YEAR.—Maximum gage height, 14.37 ft Aug. 3; minimum daily discharge, 670 ft³/s Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	862	873	—	—	—		—	—	—	1250	—	2270
2	982	1050	—	—	—		—	—	—	1360	—	1470
3	756	1060	—	—	3540		—	3570	3090	1350	—	1120
4	730	1050	—	—	3480		—	—	2540	1810	—	1070
5	730	805	—	3600	3470		—	—	1790	2350	—	1090
6	741	763	—	3410	3430		—	—	1300	1330	—	1210
7	696	745	—	3300	3330		—	—	1770	1890	—	1190
8	676	894	—	3210	3240		—	—	2180	2070	—	1040
9	690	1420	—	3150	3200		—	—	1780	1760	—	1020
10	675	953	—	3200	3180		—	—	1870	1530	3110	1130
11	675	833	—	—	3190		—	—	1240	1360	2760	1110
12	670	809	—	—	3190		—	—	1370	1260	2390	1080
13	694	803	—	—	3320		—	3290	1830	1050	2270	1120
14	1040	800	—	—	—		—	2780	1200	1550	2750	1160
15	1900	877	—	—	—		—	2360	1270	2160	3080	1000
16	1870	1640	—	—	—		—	1910	1260	2470	3510	1040
17	1400	3190	—	—	—		—	1760	1230	2570	3460	1010
18	1140	3210	3550	—	—		—	1700	1040	2990	2990	885
19	897	3190	3400	—	—		—	1660	1100	3150	2750	870
20	1050	2830	3250	—	—		—	1620	1470	—	2410	992
21	782	3070	3100	—	—		—	1810	1240	3500	2940	1080
22	746	3190	3000	—	—		—	2160	1050	3060	2940	995
23	739	3500	3530	—	—		—	2740	1330	2690	2960	853
24	1060	—	3150	—	—		—	3160	1360	—	2850	840
25	872	—	—	—	—		—	3550	1310	—	1690	857
26	1070	—	—	—	3560		—	3540	1210	—	1390	1000
27	1000	—	—	—	—		3600	3380	1340	3090	1210	997
28	876	—	—	—	—		3350	3210	996	3130	1160	986
29	956	—	—	—	—		3590	—	1060	—	1170	961
30	981	—	—	—	—		—	—	1390	—	1360	952
31	1130	—	—	—	—		—	—	—	—	2070	—
TOTAL	29136	—	—	—	—		—	—	—	—	—	32398
MEAN	940	—	—	—	—		—	—	—	—	-	1080
MAX	1900	—	—	—	—		—	—	—	—	—	2270
MIN	670	—	—	—	—		—	—	—	—	—	840

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1970 to current year.
PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1970 to current year.
pH: October 1971 to current year.
WATER TEMPERATURES: February 1970 to current year.
DISSOLVED OXYGEN: May 1970 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 260 micromhos Sept. 29, 1981; minimum recorded, 25 micromhos Jan. 7, 1974.
pH: Maximum recorded, 7.8 units Oct. 1, 1971; minimum recorded, 5.2 units Jan. 14, 1972.
WATER TEMPERATURE: Maximum, 34.5°C July 17, 1981; minimum, 1.0°C Jan. 19, 20, 1977.
DISSOLVED OXYGEN: Maximum recorded, 16.5 mg/L Mar. 12, 1970; minimum, 0.0 mg/L June 8, 9, 19[illegible], Sept. 17, 1980.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 162 micromhos Oct. 13; minimum recorded, 55 micromhos Dec. 14.
pH: Maximum, 7.5 units Nov. 14-17; minimum, 6.4 units Dec. 7.
WATER TEMPERATURE: Maximum recorded, 31.0°C July 12; minimum, 3.5°C Jan. 1, 2.
DISSOLVED OXYGEN: Maximum, 13.1 mg/L Jan. 1, 2; minimum, 1.2 mg/L June 28, 29.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
27...	0750	1100	120	121	7.1	7.2	17.5	6.0	7.0	74
NOV										
28...	1350	—	82	84	6.9	7.0	13.5	18.0	8.6	84
DEC										
13...	1630	—	58	55	6.9	6.6	11.5	10.0	8.4	79
JAN										
18...	1620	—	75	72	7.1	7.2	7.5	12.0	10.7	90
FEB										
14...	1500	—	73	74	7.0	7.1	12.5	18.0	9.2	87
MAR										
14...	1750	—	77	73	7.1	7.1	13.5	29.0	9.8	94
APR										
17...	1425	—	73	69	7.1	7.2	16.0	14.5	8.5	88
MAY										
08...	1230	—	66	62	6.9	7.0	21.0	21.5	6.9	78
JUN										
06...	0615	1310	106	112	7.0	7.6	25.0	25.0	4.4	54
JUL										
23...	1230	2590	102	100	6.9	6.6	27.0	29.0	4.8	61
AUG										
06...	1330	—	68	63	6.8	7.1	25.0	34.0	5.6	68
SEP										
04...	1230	1060	110	111	7.0	7.2	28.5	22.5	4.7	61

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
27...	20	10	22	1.9	28000	32	22	.58	.240	.60	.200	5.6
NOV												
28...	150	75	14	2.0	3600	20	32	.48	.070	<.10	.160	5.0
DEC												
13...	55	45	79	1.4	3300	13	23	.17	.060	.20	.160	7.9
JAN												
18...	100	27	12	1.3	4900	18	13	.46	.140	.50	.100	4.0
FEB												
14...	220	130	23	2.0	3300	19	117	.40	.150	.60	.110	11
MAR												
14...	50	24	6	.9	31000	20	18	.45	.120	1.8	.080	2.9
APR												
17...	50	26	9	2.0	17000	20	24	.44	.090	.20	.110	2.5
MAY												
08...	180	56	17	1.3	33000	18	36	.46	.100	.80	.160	5.0
JUN												
06...	35	15	7	1.7	130000	25	21	.54	.320	.50	.160	3.9
JUL												
23...	90	27	24	1.4	49000	21	38	.46	.150	.40	.370	4.9
AUG												
06...	180	60	24	1.2	11000	17	52	.26	.070	.40	.180	6.3
SEP												
04...	65	10	16	1.4	7900	30	11	.51	.260	.60	.180	4.0

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA —Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	156	135	148	130	90	79	76	72	75	71	—	—
2	146	128	143	127	—	—	77	75	79	75	73	70
3	150	146	149	129	—	—	78	76	81	76	75	69
4	155	144	145	125	—	—	79	77	81	77	78	70
5	—	—	151	143	—	—	83	79	80	79	75	69
6	—	—	150	139	67	65	83	79	81	77	74	67
7	—	—	155	144	66	64	82	79	81	76	72	61
8	—	—	157	123	72	60	83	7[illegible]	79	75	67	61
9	—	—	127	118	67	60	84	80	80	77	70	67
10	—	—	142	127	62	59	86	80	82	79	73	70
11	—	—	144	137	—	—	82	71	83	79	75	72
12	—	—	156	143	—	—	79	65	81	76	75	72
13	162	155	158	147	58	56	72	68	79	69	77	71
14	159	113	153	144	60	55	77	70	75	64	78	73
15	113	107	145	138	62	59	79	74	69	61	81	78
16	110	106	131	105	62	59	77	74	69	61	81	78
17	124	111	102	87	66	61	78	75	69	62	82	75
18	140	114	107	102	69	64	80	73	70	66	78	72
19	138	129	116	107	71	68	79	70	72	66	81	77
20	128	127	120	107	73	69	72	63	72	67	83	77
21	—	—	109	103	74	65	66	64	75	69	82	76
22	—	—	103	97	73	66	69	65	72	64	79	69
23	—	—	99	93	77	66	72	68	76	68	73	69
24	—	—	102	92	80	66	73	6[illegible]	76	67	75	72
25	—	—	—	—	71	66	74	69	78	70	74	66
26	—	—	—	—	69	67	70	61	79	72	73	59
27	131	120	—	—	72	67	64	58	77	67	69	55
28	131	124	83	81	76	64	68	60	70	67	72	65
29	138	123	83	77	82	68	67	64	—	—	70	63
30	142	126	82	73	81	75	67	64	—	—	66	62
31	132	121	—	—	77	69	70	68	—	—	74	67
MONTH	162	106	158	73	90	55	86	58	83	61	83	55

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	74	72	—	—	84	79	122	111	—	—	92	88
2	75	72	78	76	87	81	116	107	—	—	114	94
3	75	67	79	77	90	87	126	107	—	—	118	110
4	75	67	76	73	89	87	109	95	—	—	123	118
5	74	72	76	71	103	88	101	96	—	—	122	115
6	76	69	70	67	111	104	112	99	75	67	119	110
7	75	70	68	66	103	85	110	93	73	68	126	113
8	77	72	67	64	89	84	108	92	76	65	130	124
9	78	72	68	66	98	87	118	95	78	66	129	119
10	78	67	70	67	95	85	128	110	80	73	122	110
11	70	63	69	68	114	97	132	116	83	73	130	114
12	71	65	—	—	120	92	138	121	90	74	126	120
13	71	66	—	—	100	92	132	139	86	79	123	117
14	—	—	—	—	124	100	138	97	87	72	121	114
15	—	—	—	—	114	107	—	—	77	72	133	117
16	74	71	96	94	112	106	—	—	75	69	137	118
17	76	72	99	93	115	104	—	—	88	76	137	126
18	77	71	100	88	124	114	100	95	88	81	146	133
19	75	69	101	93	130	106	97	88	90	83	146	139
20	76	70	98	93	112	100	100	91	97	82	136	124
21	—	—	96	84	123	104	97	94	83	81	133	120
22	—	—	85	81	129	110	103	98	—	—	138	125
23	—	—	87	73	120	105	105	96	77	74	147	137
24	71	69	85	76	115	103	100	85	89	76	148	142
25	71	67	85	76	117	104	91	76	111	92	148	140
26	—	—	86	83	119	102	—	—	113	106	147	130
27	—	—	91	85	115	99	—	—	112	104	159	140
28	—	—	92	80	131	111	—	—	118	111	157	145
29	—	—	80	70	138	114	—	—	118	110	154	134
30	—	—	80	73	120	110	91	83	110	101	147	134
31	—	—	81	73	—	—	94	79	102	88	—	—
MONTH	78	63	101	64	138	79	152	76	118	65	159	88
YEAR	162	55										

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	7.0	7.3	7.1	6.8	6.7	7.1	7.0	7.2	7.1	---	---
2	7.3	7.2	7.2	7.1	---	---	7.1	7.0	7.2	7.1	7.1	7.1
3	7.3	7.2	7.2	7.1	---	---	7.0	7.0	7.2	7.2	7.1	7.1
4	7.2	7.1	7.1	7.0	---	---	7.0	7.0	7.2	7.1	7.1	7.1
5	---	---	7.1	7.1	---	---	7.0	7.0	7.2	7.2	7.1	7.1
6	---	---	7.1	7.1	6.7	6.5	7.0	7.0	7.2	7.2	7.1	7.0
7	---	---	7.2	7.2	6.8	6.4	7.0	7.0	7.3	7.2	7.1	7.0
8	---	---	7.2	7.1	6.8	6.7	7.1	7.0	7.3	7.2	7.2	7.1
9	---	---	7.4	7.1	6.8	6.7	7.1	7.0	7.2	7.2	7.2	7.2
10	---	---	7.4	7.3	6.8	6.7	7.1	7.1	7.2	7.2	7.2	7.0
11	---	---	7.3	7.3	---	---	7.1	6.9	7.2	7.2	7.2	7.1
12	---	---	7.3	7.3	---	---	6.9	6.9	7.2	7.2	7.4	7.2
13	7.2	7.1	7.4	7.3	6.9	6.9	7.0	6.9	7.2	7.2	7.3	7.2
14	7.3	7.2	7.5	7.4	6.8	6.8	7.1	7.0	7.2	7.0	7.2	7.1
15	7.3	7.3	7.5	7.4	6.8	6.7	7.1	7.1	7.0	6.9	7.1	7.1
16	7.3	7.3	7.5	7.4	6.8	6.8	7.1	7.1	7.0	6.9	7.1	7.1
17	7.3	7.3	7.5	7.4	6.8	6.8	7.1	7.1	7.0	7.0	7.1	7.1
18	7.3	7.2	7.4	7.1	6.9	6.8	7.1	7.1	7.0	7.0	7.1	7.1
19	7.3	7.2	7.4	7.3	6.9	6.9	7.1	7.1	7.0	7.0	7.1	7.1
20	7.3	7.3	7.3	7.3	6.9	6.9	7.1	7.1	7.0	7.0	7.1	7.0
21	---	---	7.3	7.2	7.0	6.9	7.1	7.1	7.1	7.0	7.1	7.0
22	---	---	7.3	7.2	7.0	7.0	7.1	7.1	7.1	7.0	7.1	7.0
23	---	---	7.2	6.9	7.0	7.0	7.2	7.1	7.1	7.1	7.0	7.0
24	---	---	7.1	6.9	7.1	7.0	7.1	7.1	7.1	7.1	7.0	7.0
25	---	---	---	---	7.1	7.1	7.1	7.1	7.1	7.1	7.0	6.9
26	---	---	---	---	7.1	7.1	7.1	7.1	7.1	7.1	6.8	6.8
27	7.1	7.1	---	---	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.8
28	7.2	7.1	6.9	6.7	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9
29	7.2	7.2	6.9	6.7	7.1	7.0	7.1	7.1	---	---	6.9	6.9
30	7.2	7.1	6.8	6.7	7.1	7.1	7.1	7.1	---	---	7.0	6.9
31	7.2	7.2	---	---	7.1	7.0	7.2	7.1	---	---	7.0	7.0
MONTH	7.3	7.0	7.5	6.7	7.1	6.4	7.2	6.9	7.3	6.9	7.4	6.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	7.0	7.0	6.9	7.1	7.0	7.0	6.9	---	---	7.1	7.0
2	7.1	7.0	6.9	6.9	7.0	6.9	7.0	7.0	---	---	7.1	7.0
3	7.0	7.0	6.9	6.9	7.0	6.9	7.0	6.9	---	---	7.0	6.9
4	7.0	7.0	6.9	6.9	7.0	6.9	7.0	6.9	---	---	7.1	7.0
5	7.0	7.0	6.9	6.8	7.0	6.9	7.1	7.0	---	---	7.2	7.0
6	7.1	7.0	6.8	6.7	7.0	6.9	7.1	7.0	6.9	6.8	7.1	7.0
7	7.0	7.0	6.8	6.7	6.9	6.9	7.0	6.8	6.9	6.8	7.1	7.0
8	7.0	7.0	6.9	6.8	6.9	6.8	6.9	6.7	7.0	6.8	7.2	7.0
9	7.0	7.0	6.9	6.9	6.9	6.8	6.9	6.7	7.0	6.8	7.1	7.0
10	7.1	7.0	7.0	6.9	6.9	6.8	6.9	6.8	7.0	6.9	7.1	7.0
11	7.0	7.0	7.0	7.0	6.9	6.8	6.9	6.8	7.0	6.9	7.0	6.9
12	7.0	7.0	7.0	6.9	6.9	6.8	6.9	6.8	7.0	6.9	6.9	6.8
13	7.0	6.9	6.9	6.9	6.9	6.8	6.9	6.8	7.0	6.9	6.9	6.8
14	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.7	7.0	6.9	6.8	6.8
15	7.0	6.9	6.9	6.9	6.9	6.8	---	---	7.0	6.8	6.9	6.8
16	7.0	7.0	6.9	6.9	6.8	6.7	---	---	6.9	6.8	6.9	6.8
17	7.1	7.0	7.0	6.9	6.9	6.8	---	---	7.0	6.8	7.0	6.9
18	7.1	7.0	7.1	7.0	7.0	6.9	7.1	7.0	7.0	6.9	7.2	7.0
19	7.1	7.0	7.0	7.0	7.0	6.9	7.1	7.0	7.1	7.0	7.3	7.1
20	7.0	7.0	7.0	7.0	7.0	6.9	7.1	7.0	7.1	6.8	7.3	7.2
21	7.1	7.0	7.1	7.0	7.0	6.9	7.0	6.9	7.0	6.9	7.3	7.2
22	7.0	7.0	7.2	7.1	6.9	6.8	7.0	6.9	---	---	7.2	7.1
23	7.0	6.9	7.1	7.0	6.9	6.8	7.0	6.9	7.1	7.0	7.2	7.1
24	7.0	7.0	7.1	7.1	6.9	6.8	7.0	6.9	7.1	7.0	7.2	7.1
25	7.0	6.9	7.1	7.1	6.9	6.8	7.0	6.8	7.0	7.0	7.2	7.0
26	7.0	6.9	7.0	7.0	6.9	6.7	---	---	7.1	7.0	7.1	7.0
27	6.9	6.9	7.0	7.0	6.9	6.8	---	---	7.1	7.0	7.1	7.1
28	6.9	6.8	7.0	6.9	6.9	6.9	---	---	7.1	7.0	7.1	7.1
29	6.9	6.9	6.9	6.9	6.9	6.8	---	---	7.1	7.0	7.1	7.0
30	6.9	6.9	7.0	6.9	6.9	6.8	7.1	6.9	7.1	7.0	7.1	7.0
31	---	---	7.1	7.0	---	---	7.1	7.0	7.1	7.0	---	---
MONTH	7.1	6.8	7.2	6.7	7.1	6.7	7.1	6.7	7.1	6.8	7.3	6.8
YEAR	7.5	6.4										

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	21.0	18.5	17.0	12.5	10.5	4.0	3.5	7.0	6.5	---	---
2	23.0	21.5	18.5	17.5	---	---	4.0	3.5	7.5	6.5	10.0	9.5
3	23.5	21.5	18.5	17.5	---	---	4.5	4.0	7.5	7.0	11.0	10.0
4	24.0	22.5	18.5	17.5	---	---	5.0	4.5	9.0	7.5	12.0	10.5
5	---	---	18.5	17.0	---	---	6.0	5.0	9.0	8.5	12.5	12.0
6	---	---	17.0	16.0	15.0	14.0	6.5	5.5	8.5	7.0	13.5	12.5
7	---	---	16.0	15.5	13.5	12.5	6.5	6.5	7.0	6.5	12.5	11.5
8	---	---	17.0	15.5	---	---	6.5	6.0	6.5	6.0	11.5	11.0
9	---	---	17.0	16.5	11.5	10.5	6.5	6.0	7.0	6.5	11.5	10.5
10	---	---	18.0	17.0	12.0	11.0	7.5	6.5	8.5	7.0	11.5	10.5
11	---	---	17.5	16.0	---	---	7.5	7.0	10.0	8.5	11.5	10.5
12	---	---	15.5	14.0	---	---	7.5	6.0	11.0	10.0	12.0	11.0
13	23.0	22.0	14.5	13.5	12.0	11.0	6.0	5.5	12.0	11.0	13.0	12.0
14	22.0	20.0	13.5	12.5	11.5	11.5	6.0	5.5	12.5	11.5	13.5	12.0
15	20.0	19.5	13.5	12.5	11.5	11.0	6.5	6.0	12.0	11.0	14.5	13.0
16	20.0	19.0	13.0	12.0	11.0	10.5	6.5	6.5	11.0	10.5	15.0	14.0
17	20.0	19.5	13.0	12.0	10.5	10.0	7.0	6.5	12.0	11.0	14.5	13.5
18	21.0	20.0	13.5	11.0	10.5	10.5	8.0	7.0	12.0	11.5	14.5	13.5
19	22.0	20.5	13.5	13.0	10.5	10.0	8.0	7.5	12.5	12.0	16.0	14.5
20	21.0	21.0	14.5	13.5	10.5	10.0	7.5	6.0	13.0	12.5	16.0	15.5
21	---	---	14.0	13.5	10.5	9.5	6.0	5.5	13.0	12.5	15.0	14.0
22	---	---	14.0	13.0	9.5	9.0	5.5	5.0	12.5	11.5	14.0	13.5
23	---	---	14.5	13.5	9.0	8.5	5.5	5.0	12.0	11.5	15.0	13.5
24	---	---	15.5	15.0	8.5	7.5	6.5	5.5	12.0	11.0	16.0	15.0
25	---	---	---	---	7.0	5.0	7.5	6.5	12.5	11.5	16.5	15.5
26	---	---	---	---	5.0	4.5	8.0	7.5	12.5	11.5	16.5	16.0
27	18.0	17.0	---	---	5.5	4.5	8.5	8.0	12.5	12.0	16.0	15.0
28	17.5	16.5	14.5	13.5	7.0	5.5	8.5	8.0	12.5	11.5	16.5	15.0
29	17.5	16.5	14.5	11.5	7.5	7.0	8.5	8.0	---	---	16.5	15.5
30	18.0	17.0	12.5	10.5	7.0	5.0	8.0	7.5	---	---	15.0	14.5
31	17.5	17.0	---	---	5.0	4.0	7.5	7.0	---	---	15.0	14.0
MONTH	24.0	16.5	18.5	10.5	15.0	4.0	8.5	3.5	13.0	6.0	16.5	9.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.5	14.5	20.5	20.0	22.0	20.5	29.0	27.0	---	---	28.0	27.0
2	15.5	15.0	19.5	19.5	22.5	21.0	27.0	26.0	---	---	28.0	27.0
3	15.5	15.0	20.0	19.5	23.5	22.0	27.0	25.5	---	---	29.5	27.5
4	16.0	15.5	19.5	19.0	24.5	23.5	27.5	26.5	---	---	28.5	27.5
5	15.5	15.0	20.0	18.5	26.0	24.0	28.0	27.0	---	---	27.0	26.0
6	15.5	14.5	21.0	20.0	27.0	25.0	28.5	27.5	25.5	24.5	26.0	25.5
7	16.0	15.0	21.5	20.5	27.5	26.5	28.5	27.0	26.5	25.0	25.5	25.0
8	16.5	15.5	21.5	20.5	27.0	26.0	28.0	27.0	27.5	26.0	25.5	24.0
9	16.5	16.0	20.5	19.5	26.5	25.5	28.5	27.5	28.5	26.5	25.0	24.0
10	16.0	14.5	19.5	19.0	27.0	26.0	29.5	27.5	29.0	27.5	25.5	24.0
11	14.5	14.0	20.0	19.5	27.5	25.5	30.0	29.0	28.5	27.0	26.5	25.0
12	16.0	14.5	21.0	20.0	28.0	26.0	31.0	30.0	28.5	26.5	28.0	26.0
13	17.0	16.0	22.0	20.5	27.5	27.0	30.5	29.5	---	---	28.5	27.5
14	18.0	16.5	22.5	22.0	27.5	26.5	30.0	27.5	28.5	27.0	29.0	28.0
15	18.0	17.0	23.0	22.0	28.0	26.5	---	---	---	---	29.0	28.0
16	17.0	16.0	22.5	21.5	29.5	28.0	---	---	---	---	28.0	25.5
17	16.0	15.5	22.5	21.0	29.5	28.5	---	---	---	---	25.5	24.0
18	16.0	15.0	22.5	21.0	30.0	29.0	27.5	26.5	28.5	27.5	23.5	22.5
19	16.0	15.5	23.0	21.5	30.0	28.5	27.0	26.0	29.0	27.5	24.0	22.0
20	16.5	15.5	24.0	22.5	30.0	29.0	26.5	26.0	28.5	27.5	24.0	22.5
21	17.0	16.0	24.0	23.0	29.5	28.5	26.5	26.0	28.0	27.0	24.0	22.5
22	17.0	17.0	24.0	23.5	29.0	28.0	27.5	26.5	---	---	25.0	23.5
23	17.0	17.0	23.5	22.5	28.5	28.0	27.0	26.5	27.5	26.5	25.5	23.5
24	17.0	16.0	23.5	22.5	28.5	27.5	28.0	26.5	27.0	26.5	26.0	24.0
25	17.5	16.0	24.0	23.0	29.0	27.5	28.5	27.0	27.5	26.5	26.5	24.5
26	18.5	17.0	24.5	23.5	29.5	27.5	---	---	28.5	27.0	26.5	25.5
27	19.5	18.0	24.0	23.5	29.0	27.5	---	---	28.5	27.5	26.0	25.0
28	20.0	19.5	24.0	23.5	30.0	28.0	---	---	28.5	27.5	25.0	23.5
29	19.5	18.5	24.0	22.5	29.5	28.5	---	---	27.5	27.5	24.0	23.0
30	20.0	18.5	22.5	20.5	28.5	27.0	---	---	27.5	26.5	23.5	22.5
31	---	---	20.5	20.0	---	---	---	---	27.5	27.0	---	---
MONTH	20.0	14.0	24.5	18.5	30.0	20.5	31.0	25.5	29.0	24.5	29.5	22.0
YEAR	31.0	3.5										

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.6	5.5	6.7	5.1	—	—	13.1	13.0	11.9	11.6	—	—
2	7.5	6.3	7.0	6.1	—	—	13.1	12.9	11.8	11.6	10.4	10.2
3	6.4	5.5	6.9	5.6	—	—	12.9	12.6	11.6	11.3	10.3	10.2
4	5.7	4.6	6.8	5.2	—	—	12.6	12.2	11.3	10.5	10.3	10.0
5	—	—	5.6	4.8	—	—	12.3	11.9	10.9	10.5	10.1	9.4
6	—	—	6.1	5.6	8.0	7.4	11.8	11.0	11.3	10.8	9.7	9.3
7	—	—	6.8	6.1	7.9	7.4	11.5	11.4	11.7	11.3	9.7	9.2
8	—	—	7.3	5.7	8.5	8.0	11.7	11.5	11.8	11.7	10.2	9.7
9	—	—	8.2	7.6	9.6	9.0	11.6	11.5	11.7	11.5	10.1	9.7
10	—	—	7.8	6.0	9.7	9.4	11.5	11.1	11.5	10.7	9.9	9.0
11	—	—	6.8	6.1	—	—	11.3	10.0	11.0	10.5	8.9	8.6
12	—	—	6.6	6.2	—	—	11.2	10.2	10.4	10.1	—	—
13	5.0	4.7	7.1	6.9	8.5	8.3	11.7	11.2	10.0	9.3	—	—
14	7.3	4.7	8.1	7.5	8.8	8.4	11.9	11.8	9.9	9.2	9.9	9.7
15	7.8	7.3	8.4	8.0	9.1	8.8	11.8	11.6	9.5	9.2	9.8	9.6
16	8.1	7.6	8.8	8.0	9.3	8.7	11.7	11.6	9.6	9.5	9.6	9.4
17	8.0	7.2	8.7	6.6	9.4	9.2	11.8	11.4	9.6	9.1	9.7	9.1
18	7.6	5.9	7.5	5.8	9.5	9.0	11.4	10.7	9.6	9.4	9.8	9.7
19	6.7	5.5	7.8	6.1	9.8	9.6	11.3	10.9	9.4	9.2	9.7	9.2
20	7.0	6.8	7.0	5.9	10.2	10.0	11.9	11.3	9.5	9.0	9.3	8.6
21	—	—	7.4	6.0	10.5	9.9	12.1	11.9	9.4	9.1	9.5	8.7
22	—	—	6.6	4.5	10.9	10.5	12.3	12.1	9.5	9.3	9.4	9.2
23	—	—	5.3	4.7	10.9	10.8	12.4	12.2	9.6	9.0	9.3	8.8
24	—	—	—	—	11.5	10.7	12.2	11.7	9.7	9.6	9.2	8.8
25	—	—	—	—	11.9	11.2	11.7	10.9	9.6	9.2	8.8	8.2
26	—	—	—	—	12.5	12.0	11.5	11.4	9.8	9.2	8.4	7.4
27	7.2	6.7	—	—	12.5	12.3	11.4	11.1	9.8	9.4	8.4	8.0
28	7.2	6.9	8.8	8.1	12.2	11.6	11.1	11.0	9.4	9.2	8.3	8.0
29	7.8	7.2	—	—	11.8	11.5	11.4	10.6	—	—	8.1	7.6
30	7.7	6.5	—	—	12.4	11.3	11.5	11.3	—	—	8.9	7.8
31	7.6	6.4	—	—	12.9	12.4	11.6	11.5	—	—	9.0	8.8
MONTH	8.1	4.6	8.8	4.5	12.9	7.6	13.1	10.0	11.9	9.0	10.4	7.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.2	8.7	7.4	6.6	6.8	5.7	3.8	2.8	—	—	6.0	5.3
2	9.2	9.1	7.4	7.1	5.5	5.1	5.3	4.0	—	—	5.4	4.0
3	9.1	8.7	7.2	7.0	5.8	5.1	5.3	3.7	—	—	4.5	4.2
4	8.9	8.3	7.7	7.1	5.5	5.0	6.1	4.9	—	—	4.8	4.2
5	8.7	8.1	7.5	6.9	5.6	4.6	6.2	3.9	—	—	5.0	4.2
6	8.9	8.7	7.2	6.7	4.9	3.8	6.0	4.6	—	—	5.4	5.0
7	8.9	8.3	7.0	6.6	5.1	4.0	5.7	4.0	—	—	5.7	5.1
8	8.4	8.2	7.0	6.8	5.4	4.5	5.7	4.5	—	—	5.7	5.0
9	8.4	8.1	7.3	6.6	5.2	4.4	5.6	4.1	—	—	5.8	5.1
10	8.6	7.9	7.5	7.0	5.3	5.0	5.4	3.2	—	—	5.8	5.2
11	8.9	8.8	7.6	7.1	5.7	4.5	4.2	2.6	—	—	5.8	4.7
12	9.0	8.6	7.5	6.7	5.5	4.1	3.5	2.4	—	—	5.3	4.4
13	8.9	8.3	6.7	6.3	5.6	4.7	2.6	1.8	—	—	5.1	4.5
14	8.5	7.9	6.5	6.0	5.0	3.8	4.0	2.6	—	—	5.0	4.3
15	8.5	8.1	6.3	5.6	4.6	4.2	—	—	—	—	4.7	3.6
16	8.8	8.5	6.2	5.7	4.6	3.8	—	—	—	—	4.2	3.9
17	9.0	8.5	6.2	5.7	4.4	3.9	—	—	—	—	4.4	4.1
18	9.0	8.7	6.6	5.2	5.0	2.9	6.2	5.4	5.6	4.6	4.9	4.4
19	9.0	8.8	6.2	5.3	3.3	1.8	6.6	5.8	5.4	4.5	5.1	4.6
20	8.8	8.3	5.9	5.3	4.1	3.0	6.4	5.9	—	—	5.4	4.9
21	8.8	8.3	6.3	5.6	3.6	2.2	6.4	5.2	—	—	6.1	5.0
22	8.5	8.3	6.2	5.9	2.3	1.3	5.5	4.0	—	—	5.6	4.5
23	8.3	8.0	6.4	5.8	3.3	1.6	5.5	4.3	6.0	5.6	5.0	4.4
24	8.3	8.1	6.6	5.9	4.2	3.2	5.3	3.9	6.1	5.3	4.8	4.3
25	8.3	8.0	6.5	6.0	5.0	4.3	—	—	5.5	3.1	4.6	3.6
26	8.1	7.6	6.6	6.1	4.2	2.5	—	—	3.9	3.3	4.4	4.0
27	7.6	6.6	6.4	5.6	4.0	2.2	—	—	4.6	4.0	4.4	3.8
28	6.9	5.4	6.3	5.6	2.7	1.2	—	—	5.0	4.3	4.4	3.9
29	7.9	6.9	6.5	5.9	2.8	1.2	—	—	5.1	3.9	4.5	3.8
30	7.8	7.1	6.6	6.3	3.5	2.0	—	—	5.0	4.3	4.9	4.4
31	—	—	7.1	6.3	—	—	—	—	6.0	5.0	—	—
MONTH	9.2	5.4	7.7	5.2	6.8	1.2	6.6	1.8	6.1	3.1	6.1	3.6
YEAR	13.1	1.2										

02214265 OCMULGEE RIVER NEAR BONAIRE, GA.

LOCATION.--Lat 32°32'33", long 83°32'13", Houston-Twiggs County line, Hydrologic Unit 03070104, at bridge on State Highway 96, 0.4 mi downstream from Flat Creek and 3.5 mi east of Bonaire.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
18...	1245	1740	115	112	7.3	7.2	19.5	26.5	7.1	78
NOV										
15...	1230	1100	128	129	7.0	7.3	12.5	16.0	7.6	73
DEC										
19...	1410	7360	64	60	6.8	7.0	9.5	15.0	8.7	77
JAN										
17...	1300	8000	69	67	6.9	6.8	6.5	11.0	11.5	94
FEB										
21...	1335	7040	70	67	6.9	7.2	13.0	20.0	8.3	80
MAR										
26...	1335	3020	65	62	6.8	7.2	16.0	24.0	7.0	72
APR										
17...	1335	5780	71	68	6.9	7.1	15.5	12.5	7.9	81
MAY										
22...	1220	2390	82	79	6.9	7.1	23.0	29.5	6.2	73
JUN										
19...	1230	1340	105	113	6.9	7.3	28.5	34.5	5.1	67
JUL										
17...	1225	2760	90	89	6.8	7.0	28.5	35.0	5.6	74
AUG										
21...	1130	2960	80	79	7.0	7.3	27.0	33.0	5.8	74
SEP										
18...	1255	1220	112	111	6.7	7.2	23.0	26.5	6.0	71

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
18...	13	10	1.9	23000	30	.46	.090	.180	4.9
NOV									
15...	20	6.0	2.2	17000	31	.53	.270	.230	4.6
DEC									
19...	120	30	.7	170	17	.22	.050	.100	4.4
JAN									
17...	120	27	1.0	790	17	.45	.090	.070	3.7
FEB									
21...	110	39	.8	3300	18	.37	.070	.080	3.3
MAR									
26...	75	28	1.0	130	17	.29	.060	.100	6.0
APR									
17...	70	25	1.0	1700	20	.39	.080	.090	2.5
MAY									
22...	30	30	—	13000	21	.36	.260	.220	—
JUN									
19...	25	11	2.4	1400	27	.75	.150	.200	3.3
JUL									
17...	55	30	1.0	4900	23	.38	.100	.170	4.6
AUG									
21...	70	30	.9	4900	22	.52	.120	.200	4.2
SEP									
18...	35	11	1.4	1300	26	.62	.150	.250	3.2

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.

LOCATION.--Lat 31°55'06", long 82°40'26", Telfair-Jeff Davis County line, Hydrologic Unit 03070104, near left bank on downstream end of pier of bridge on U.S. Highway 341 at Lumber City, 500 ft downstream from Southern Railway bridge, 1 mi upstream from Little Ocmulgee River, and 12 mi upstream from confluence with Oconee River.
DRAINAGE AREA.--5,180 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.
REVISED RECORDS.--WSP 1504: 1937.
GAGE.--Water-stage recorder. Datum of gage is 87.48 ft, National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.
REMARKS.--Records good. Flow regulated by Lloyds Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)
AVERAGE DISCHARGE.--48 years, 5,633 ft³/s, 14.77 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³/s Dec. 8, 1948; maximum gage height, 22.7 ft Dec. 9, 1948; minimum discharge, 800 ft³/s Oct. 30 to Nov. 3, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1841, 98,400 ft³/s Jan. 21, 1925, from rating extended above 67,000 ft³/s on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 ft Jan. 21, 1925, backwater from Oconee River.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 18	2300	18400	13.56	May 6	1300	15400	12.59
Jan. 29	2200	20100	14.06	Aug. 12	1900	20100	14.03
Mar. 9	1400	*22500	14.65				

Minimum discharge, 1,500 ft³/s Oct. 12, gage height, 0.93 ft. Oct. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2060	1750	4900	8900	18600	11800	11000	8800	6310	2660	5100	2720
2	1960	1740	5110	9010	17300	11100	11300	9000	6930	2610	5430	2600
3	1900	1770	5320	9080	15800	10800	11700	9180	7700	2620	5980	2620
4	1850	1810	5610	9050	14200	10700	12200	11100	8510	2750	6470	2820
5	1810	1780	6020	8900	12700	10700	12300	13700	8750	2840	7050	3090
6	1800	1780	6810	8620	11600	12500	12300	15200	8300	2950	8090	3010
7	1710	1820	7450	8390	10600	17500	12100	14400	7510	3050	9150	2650
8	1630	1820	8110	8390	9900	20800	11900	12800	6820	3160	10200	2410
9	1590	1740	8730	8590	9280	22300	12100	11600	6300	3250	11800	2330
10	1560	1650	9150	8800	8670	21800	12400	10300	5510	3210	14900	2350
11	1540	1600	9410	8800	8090	20300	12400	9510	4400	3150	18200	2310
12	1510	1630	9970	8470	7570	18300	12000	9280	3880	3130	19900	2210
13	1510	1830	10900	7870	7320	16500	11200	9660	3640	3090	19700	2150
14	1510	1840	12400	7230	7560	14800	10300	10300	3630	2910	18100	2130
15	1510	1730	14300	6780	7490	13600	9590	11100	3170	2770	15900	2130
16	1520	1670	16300	6610	7350	13200	8990	11300	3020	2690	13200	2090
17	1530	1630	17500	6600	7230	12900	8440	10600	3050	2550	10500	2080
18	1680	1640	18200	6750	7160	12300	8160	9470	2900	2640	7860	2120
19	2050	1710	18100	7270	7160	11300	8250	8180	2760	2900	5770	2110
20	2290	2030	17600	8160	7220	10100	8460	6900	2680	3150	4800	2120
21	2270	2500	16800	9070	7370	9710	8470	5700	2620	3490	4590	2050
22	2110	2830	16100	9810	7830	9540	8120	4590	2530	3670	4550	1960
23	1970	3050	15300	10200	8860	9370	8710	4050	2540	3820	4580	1890
24	1910	3270	15000	10800	10100	9040	10100	3830	2660	4040	4550	1900
25	1810	3530	14000	12400	11100	8760	10000	3860	2650	4210	4460	1940
26	1710	3780	12500	13900	11600	8630	9270	4010	2600	4350	4330	1900
27	1670	3990	10700	16100	11800	8590	8570	4220	2680	4460	4200	1810
28	1750	4180	9200	18800	12500	8950	8220	4400	2700	4470	4110	1760
29	1760	4390	8600	19900	12300	9490	8250	4600	2710	4440	3830	1750
30	1800	4640	8640	20000	---	10000	8500	5070	2640	4520	3300	1780
31	1810	---	8780	19500	---	10500	---	5770	---	4770	2950	---
TOTAL	55090	71130	347710	322750	296260	395880	305300	262480	131930	104320	263550	66790
MEAN	1777	2371	11220	10410	10220	12770	10180	8467	4398	3365	8502	2226
MAX	2290	4640	18200	20000	18600	22300	12400	15200	8750	4770	19900	3090
MIN	1510	1600	4900	6600	7160	8590	8120	3830	2530	2550	2950	1750
CFSM	.36	.46	2.17	2.01	1.97	2.47	1.97	1.64	.85	.65	1.64	.43
IN.	.40	.51	2.50	2.32	2.13	2.84	2.19	1.88	.95	.75	1.89	.48

CAL YR 1983 TOTAL 2576910 MEAN 7060 MAX 29400 MIN 1510 CFSM 1.36 IN 18.51
WTR YR 1984 TOTAL 2623190 MEAN 7167 MAX 22300 MIN 1510 CFSM 1.38 IN 18.84

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 12...	0835	1510	148	142	7.8	7.8	22.5	22.5	7.5	87
NOV 02...	0745	1760	138	138	7.7	7.6	17.0	13.0	8.8	90
DEC 15...	1615	14700	59	58	6.8	6.8	12.0	17.5	7.8	72
JAN 11...	1040	8820	72	69	7.1	6.9	8.0	7.5	10.2	86
FEB 15...	1025	7500	77	80	7.0	7.3	12.0	20.0	9.0	83
MAR 08...	0745	20300	46	43	6.8	7.0	13.0	8.5	7.8	73
APR 04...	1035	12200	66	66	6.9	7.2	16.0	23.0	7.6	78
MAY 09...	0910	11800	67	65	7.0	7.3	22.0	22.5	5.7	65
JUN 06...	0740	8420	76	75	7.1	7.2	22.5	26.0	6.9	79
JUL 11...	1025	3150	107	104	7.5	7.6	29.0	34.0	6.5	84
AUG 08...	0805	10000	67	66	6.6	7.1	24.5	25.5	6.3	76
SEP 12...	0920	2220	132	130	7.5	7.7	25.5	27.0	7.2	88

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT 12...	10	15	8	2.2	20	50	24	<.02	.170
NOV 02...	30	9.0	9	.9	20	42	5	.61	.060
DEC 15...	120	25	22	2.0	330	14	14	<.02	.040
JAN 11...	80	20	11	2.0	50	20	5	.37	.040
FEB 15...	45	14	10	1.7	80	22	9	.37	.040
MAR 08...	110	23	25	1.7	80	14	12	.12	.040
APR 04...	100	20	16	1.0	90	22	4	.14	.030
MAY 09...	90	17	30	1.3	50	21	9	.27	.040
JUN 06...	100	29	4	.8	60	22	10	.31	.040
JUL 11...	35	17	—	1.3	20	34	20	.57	.040
AUG 08...	110	30	—	.7	480	19	14	.11	.030
SEP 12...	25	13	—	1.0	<20	43	16	.47	.030

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
12...	.03	.20	—	.070	3.9
NOV					
02...	.14	.20	.81	.110	3.2
DEC					
15...	.26	.30	—	.110	8.0
JAN					
11...	.26	.30	.67	.040	7.0
FEB					
15...	.36	.40	.77	.050	6.5
MAR					
08...	1.2	1.2	1.3	.070	9.4
APR					
04...	.27	.30	.44	.060	8.6
MAY					
09...	.36	.40	.67	.060	7.4
JUN					
06...	.36	.40	.71	.080	5.5
JUL					
11...	—	—	—	.100	2.9
AUG					
08...	—	—	—	.090	8.6
SEP					
12...	—	—	—	.090	3.6

02216180 TURNPIKE CREEK NEAR MCRAE, GA.

LOCATION.—Lat 31°59'29", long 82°55'19", Telfair County, Hydrologic Unit 03070105, on downstream side of bridge on U.S. Highways 319 and 441, 4.8 miles south of McRae.

DRAINAGE AREA.—49.2 mi^2.

PERIOD OF RECORD.—January 1983 to current year.

GAGE.—Water-stage recorder. Datum of gage is 173.17 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good except those below 10 ft^3/s, which are fair.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, not determined, March 7, 1983, gage height, 10.51 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 25	0230	616	8.09	May 4	0615	unknown	*9.92
Mar. 6	1800	unknown	9.44				

Minimum discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	13	200	129	225	55	11	111	.00	13	.00
2	.00	.00	11	132	107	133	44	8.9	45	.00	11	.00
3	.00	.00	8.2	103	97	94	61	74	19	.00	27	.00
4	.00	.00	19	88	95	79	102	1600	11	.00	15	.00
5	.00	.00	28	80	92	77	139	800	7.1	.00	6.5	.00
6	.00	.00	41	74	82	541	224	384	4.7	.00	3.1	.00
7	.00	.00	71	69	72	929	214	205	3.0	.00	1.7	.00
8	.00	.00	37	63	65	515	108	138	1.8	.00	.77	.00
9	.00	.00	26	58	62	271	139	216	1.3	.00	.30	.00
10	.00	.00	28	64	61	187	182	133	.91	.00	.10	.00
11	.00	.00	41	87	59	144	142	78	.58	.00	.02	.00
12	.00	.00	131	80	59	119	108	56	.32	.00	.04	.00
13	.00	.00	151	70	88	117	73	43	.25	.00	.01	.00
14	.00	.00	102	63	158	113	55	34	.16	.00	.01	.00
15	.00	.00	96	58	155	99	45	62	.08	.00	.00	.00
16	.00	.00	76	59	118	89	36	53	.04	.00	.00	.00
17	.00	.00	54	67	85	80	29	42	.02	.00	.00	.00
18	.00	.00	60	68	66	74	27	30	.00	.00	.00	.00
19	.00	.00	134	162	57	69	25	21	.00	.02	1.8	.00
20	.00	.00	121	199	53	87	23	16	.00	.01	.61	.00
21	.00	.00	96	150	50	223	21	13	.00	.02	.24	.00
22	.00	.00	117	113	53	185	18	9.8	.00	.02	.11	.00
23	.00	.00	114	82	89	145	80	11	.00	.00	.02	.00
24	.00	2.4	96	226	78	102	97	17	.00	.00	.00	.00
25	.00	25	75	565	64	80	124	16	.00	.00	.00	.00
26	.00	9.3	60	479	54	74	74	13	.00	.00	.00	.00
27	.00	4.0	54	516	198	71	33	10	.00	.00	.00	.00
28	.00	16	77	474	460	124	21	9.7	.00	.00	.00	.00
29	.00	47	275	365	320	149	17	21	.00	.00	.00	.00
30	.00	29	359	241	—	112	14	105	.00	1.4	.00	.00
31	.00	—	270	170	—	78	—	137	—	12	.00	—
TOTAL	.00	132.70	2863.2	5205	3126	5385	2330	4367.4	206.26	13.47	81.33	.00
MEAN	.000	4.42	91.7	168	108	174	77.7	141	6.88	.43	2.62	.000
MAX	.00	47	359	565	460	929	224	1600	111	12	27	.00
MIN	.00	.00	8.2	58	50	69	14	8.9	.00	.00	.00	.00
CFSM	.000	.09	1.86	3.41	2.19	3.53	1.58	2.86	.14	.009	.05	.000
IN.	.00	.10	2.15	3.93	2.36	4.07	1.76	3.30	.16	.01	.06	.00

CAL YR 1983 TOTAL 27654.03 MEAN 75.8 MAX 1800 MIN .00 CFSM 1.54 IN 20.90
WTR YR 1984 TOTAL 23690.36 MEAN 64.7 MAX 1600 MIN .00 CFSM 1.31 IN 17.90

02216610 TILLMAN MILL CREEK NEAR LUMBER CITY, GA.

LOCATION.--Lat 31°58'53", long 82°38'32", Wheeler County, Hydrologic Unit 03070104, on right bank 18 ft upstream from culvert on State Highway 19, 4.3 mi northeast of Lumber City, and 4.7 mi upstream from mouth.

DRAINAGE AREA.--2.71 mi².

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year. Records for the 1975 water year are unreliable and should not be used. Prior to October 1975, published as Ocmulgee River Tributary near Lumber City.

GAGE.--Water-stage recorder. Altitude of gage is 168 ft, from topographic map. August 27, 1965, to September 30, 1974, crest-stage gage at same site and at datum 2.00 ft lower.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--9 years (1976-84), 2.29 ft³/s, 11.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft³/s May 23, 1973, gage height, 9.59 ft, present datum, from floodmarks; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 27	1100	100	4.21	May 3	1845	*358	5.92
Mar. 6	1015	338	5.80	May 30	0030	152	4.59

Minimum discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.28	2.6	3.8	3.4	1.9	.49	1.9	.61	6.7	.00
2	.00	.00	.18	2.4	3.6	2.9	1.7	.43	1.1	2.1	16	.00
3	.00	.00	.21	2.1	3.7	2.8	5.7	76	.77	1.0	5.3	.00
4	.00	.00	.59	2.0	4.0	2.6	4.2	30	.57	.27	2.6	.00
5	.00	.00	.85	1.9	3.4	4.2	2.8	5.6	.45	.18	1.6	.15
6	.00	.00	5.7	1.8	2.8	102	1.9	3.2	.39	.11	1.1	.13
7	.00	.00	2.4	1.5	2.7	20	1.4	3.9	.38	.05	.79	.02
8	.00	.00	.72	1.2	2.7	8.4	1.2	8.1	.34	.02	.63	.00
9	.00	.00	.35	1.2	2.7	6.0	11	6.6	.30	.00	.58	.01
10	.00	.00	.24	1.8	2.7	4.9	4.5	2.6	.27	.00	.56	.04
11	.00	.00	2.9	2.1	2.7	4.6	2.6	1.9	.24	.02	.49	.00
12	.00	.00	5.5	1.7	2.4	4.2	1.8	1.6	.26	7.0	.88	.00
13	.00	.00	1.1	1.4	16	6.6	1.4	1.2	.24	5.5	2.3	.00
14	.00	.00	.58	1.4	14	4.6	1.2	.92	.31	.43	1.5	.00
15	.00	.00	.58	1.2	4.4	3.6	1.0	1.0	.33	.22	.64	.00
16	.00	.00	.40	2.2	3.3	3.2	.86	.76	.18	.18	.46	.00
17	.00	.00	.28	2.2	2.8	3.1	.86	.63	.12	.14	1.7	.00
18	.00	.00	1.6	3.2	2.6	2.9	.86	.52	.03	1.2	6.0	.00
19	.00	.00	2.8	7.7	2.4	2.7	.70	.46	.00	1.5	.71	.00
20	.00	.00	.71	2.5	2.4	8.7	.77	.40	.00	.55	.57	.00
21	.00	.00	1.9	1.8	2.2	15	.62	.35	12	1.5	.32	.00
22	.00	.00	3.3	1.3	4.1	4.3	.77	.35	11	13	.22	.00
23	.00	.00	1.9	1.3	7.9	3.2	18	.70	3.6	8.3	.35	.00
24	.00	.00	1.3	29	3.6	2.9	3.2	.61	1.5	1.6	1.2	.00
25	.00	2.6	.88	14	2.6	3.3	1.6	.36	1.1	.77	.20	.00
26	.00	.75	.73	11	2.1	2.7	1.1	.31	.66	.32	.05	.00
27	.00	.39	.81	48	35	5.3	1.0	.76	.56	.27	.02	.00
28	.00	2.1	3.5	12	11	8.5	1.0	1.6	.50	.22	.01	.00
29	.00	2.5	24	6.3	4.4	4.7	.86	24	.67	5.5	.01	.74
30	.00	.76	5.3	5.0	—	2.8	.70	40	.82	5.8	.00	3.2
31	.00	—	3.1	4.2	—	2.2	—	4.1	—	14	.00	—
TOTAL	.00	9.10	74.69	178.0	158.0	256.3	77.20	219.45	40.59	72.36	53.49	4.29
MEAN	.000	.30	2.41	5.74	5.45	8.27	2.57	7.08	1.35	2.33	1.73	.14
MAX	.00	2.6	24	48	35	102	18	76	12	14	16	3.2
MIN	.00	.00	.18	1.2	2.1	2.2	.62	.31	.00	.00	.00	.00
CFSM	.000	.11	.89	2.12	2.01	3.05	.95	2.61	.50	.86	.64	.05
IN.	.00	.12	1.02	2.44	2.17	3.52	1.06	3.01	.56	.99	.73	.06

CAL YR 1983 TOTAL 1049.83 MEAN 2.88 MAX 73 MIN .00 CFSM 1.06 IN 14.41
WTR YR 1984 TOTAL 1143.47 MEAN 3.12 MAX 102 MIN .00 CFSM 1.15 IN 15.69

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

LOCATION.—Lat 33°56'58", long 83°25'43", Clarke County, Hydrologic Unit 03070101, on left bank 0.5 mi upstream from U.S. Highway 78 and U.S. Highway 29 Bus., 2 mi west of Athens, and 5 mi upstream from Barber Creek.

DRAINAGE AREA.—398 mi^2.

PERIOD OF RECORD.—October 1901 to October 1902, January 1929 to March 1932, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.—Water-stage recorder. Datum of gage is 555.66 ft, National Geodetic Vertical Datum of 1929. Oct. 11, 1901, to Oct. 25, 1902, nonrecording gage at site 1 mi upstream at different datum. Jan. 16, 1929, to Mar. 15, 1932, and Apr. 29, 1937, to Sept. 30, 1940, water-stage recorder at site 4 mi downstream at different datum.

REMARKS.—Records good except those of doubtful or no gage-height record, Oct. 13, June 6-19, and Aug. 3-15, which are fair. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—50 years, 531 ft^3, 18.12 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge observed, 19,600 ft^3/s Feb. 28, 1902, gage height, 25.5 ft, site and datum then in use; minimum daily, 26 ft^3/s Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 3,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 7	2300	*8300	16.06

Minimum daily discharge, 161 ft^3/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	201	656	809	606	949	945	840	538	557	2680	359
2	180	200	546	735	585	825	821	862	505	450	2270	329
3	169	207	1180	697	588	766	899	1640	478	409	1450	313
4	163	221	3450	660	665	720	1190	3150	459	397	1000	305
5	179	252	4070	626	625	896	1040	2870	446	364	850	299
6	178	241	4030	604	572	1280	902	1400	430	415	760	284
7	174	218	6440	580	540	1000	825	1070	415	508	680	272
8	172	211	3680	549	531	831	768	982	400	402	620	266
9	167	211	1640	525	527	752	917	946	390	372	560	256
10	166	215	1150	768	531	706	1340	845	385	340	500	257
11	161	224	1120	1690	584	680	1140	778	380	313	470	253
12	192	224	2510	1360	576	653	935	731	370	286	480	248
13	410	218	2950	890	921	707	856	692	360	331	560	240
14	806	229	1310	764	2090	774	825	663	350	412	580	233
15	436	578	1020	703	2040	679	805	630	340	627	540	225
16	308	919	868	657	1130	652	746	599	330	611	525	216
17	253	547	767	631	894	679	721	576	320	695	491	212
18	228	407	691	782	787	678	702	556	310	568	470	214
19	218	360	637	1650	732	652	681	543	305	764	449	211
20	212	393	592	1450	694	674	1110	531	299	483	429	212
21	215	781	565	958	660	1440	1380	515	323	441	404	209
22	213	600	817	811	622	1490	1160	721	362	447	393	202
23	245	644	1570	725	678	946	1330	887	358	435	385	198
24	352	869	1080	772	708	824	1530	689	348	415	370	200
25	295	2270	757	967	656	826	1050	580	383	409	371	201
26	240	1320	622	857	617	751	882	551	337	398	366	199
27	224	717	646	815	1320	676	865	556	296	688	344	192
28	214	904	963	802	2240	964	953	564	285	779	344	188
29	215	1520	2150	728	1410	2430	866	705	294	1880	372	193
30	212	983	1570	669	—	2200	806	840	467	2520	455	206
31	204	—	968	638	—	1160	—	611	—	2910	387	—
TOTAL	7581	16684	52965	25872	25109	29260	28990	28123	11263	20646	20555	7192
MEAN	245	556	1709	835	866	944	966	907	375	666	663	240
MAX	806	2270	6440	1690	2240	2430	1530	3150	538	2910	2680	359
MIN	161	200	546	525	527	652	681	515	285	286	344	188
CFSM	.62	1.40	4.29	2.10	2.18	2.37	2.43	2.28	.94	1.67	1.67	.60
IN.	.71	1.56	4.95	2.42	2.35	2.73	2.71	2.63	1.05	1.93	1.92	.67

CAL YR 1983 TOTAL 246106 MEAN 674 MAX 6440 MIN 105 CFSM 1.69 IN 23.00
WTR YR 1984 TOTAL 274240 MEAN 749 MAX 6440 MIN 161 CFSM 1.88 IN 25.63

02217740 NORTH OCONEE RIVER ABOVE ATHENS, GA.

LOCATION.—Lat 33°58'28", long 83°22'56", Clarke County, Hydrologic Unit 03070101, at city of Athens waterworks intake, 0.3 mi north of Athens city limit.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
11...	1530	108	60	64	7.3	7.2	17.0	21.0	8.3	88
NOV										
08...	1415	148	70	63	7.3	7.2	13.0	23.0	8.5	81
DEC										
13...	1430	4300	37	37	6.6	6.6	9.0	9.0	8.6	77
JAN										
10...	1545	500	52	46	6.9	6.9	7.0	10.0	8.3	70
FEB										
15...	0900	3900	49	43	6.7	6.9	10.0	6.0	9.3	84
MAR										
13...	1730	600	46	49	7.0	7.2	10.0	12.0	10.2	92
APR										
10...	1730	1450	45	48	7.0	7.1	11.0	8.0	9.5	89
MAY										
09...	1430	690	56	53	6.9	7.3	16.5	23.0	8.0	83
JUN										
13...	0745	255	60	61	7.2	7.4	22.5	25.5	6.2	72
JUL										
18...	0800	250	61	60	7.2	7.2	23.5	23.0	6.6	79
AUG										
14...	1330	380	64	58	—	7.3	23.0	34.0	7.1	84
SEP										
12...	0630	145	59	58	7.3	7.3	21.0	19.0	7.6	87

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
11...	10	1.1	170	26	10	.23	.020	.080	1.1
NOV									
08...	8.0	1.1	—	25	14	.24	.070	<.020	1.6
DEC									
13...	80	1.4	1700	11	21	.32	.030	.140	8.2
JAN									
10...	39	1.7	4900	21	30	.44	.100	.040	4.9
FEB									
15...	140	2.0	3300	12	43	.38	.050	.050	7.1
MAR									
13...	20	1.3	1700	17	8	.39	.070	.050	2.1
APR									
10...	40	2.0	330	2.0	57	.31	.050	.040	5.1
MAY									
09...	26	.8	170	20	14	.40	.040	.030	2.3
JUN									
13...	20	.8	330	23	28	.42	.060	.040	2.8
JUL									
18...	25	1.3	23000	21	43	.42	.090	.080	4.0
AUG									
14...	70	.9	—	23	48	.41	.040	.090	3.0
SEP									
12...	20	1.2	330	23	26	.31	.030	<.020	1.2

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA.

LOCATION.--Lat 33°51'21", long 83°19'35", Oconee-Clarke County line, Hydrologic Unit 03070101, at bridge on Barnett Shoals Road, 1 mi upstream from Barnett Shoals Dam and 4 mi east of Watkinsville.
DRAINAGE AREA.--783 mi^2.
PERIOD OF RECORD.--July 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge records for water years 1901-02 are published in records of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
11...	1400	360	77	81	7.2	6.8	17.5	21.5	7.7	82
NOV										
08...	1330	430	83	75	7.0	7.1	14.0	21.5	9.0	88
DEC										
13...	1330	6200	37	38	6.8	6.9	9.5	10.0	10.7	97
JAN										
10...	1500	2150	56	52	7.3	6.9	7.0	10.5	9.4	79
FEB										
14...	1610	4900	53	46	6.9	7.0	12.0	20.5	10.0	95
MAR										
13...	1630	1740	51	54	7.0	7.0	10.0	12.0	10.8	97
APR										
10...	1700	3200	50	50	7.1	7.1	11.5	8.0	9.4	89
MAY										
09...	1345	2300	57	53	7.1	7.4	17.5	23.0	9.0	95
JUN										
12...	1515	760	68	77	7.2	7.2	24.0	33.5	7.3	87
JUL										
17...	1800	1400	58	59	7.2	7.2	25.0	23.0	7.0	86
AUG										
14...	1245	1550	72	63	--	7.3	24.0	34.0	9.6	114
SEP										
11...	1430	520	82	72	7.2	7.3	22.5	34.0	7.8	91

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
11...	10	--	2.0	700	20	9	1.2	.120	--	.260	3.3
NOV											
08...	9.0	--	2.4	--	22	12	.87	.290	--	.200	2.5
DEC											
13...	75	--	1.6	1100	10	49	.39	.070	--	.170	7.7
JAN											
10...	56	--	2.4	3500	16	76	.68	.240	--	.100	4.6
FEB											
14...	175	--	3.2	7900	12	156	.62	.160	--	.100	8.6
MAR											
13...	25	--	1.4	1700	16	17	.63	.230	--	.100	3.1
APR											
10...	60	--	1.8	4900	12	66	.53	.080	--	.080	5.7
MAY											
09...	35	--	1.5	3300	17	40	.59	.100	--	.130	2.7
JUN											
12...	14	--	1.5	330	20	17	.84	.140	--	.130	3.0
JUL											
17...	120	19	2.3	46000	16	180	.75	.070	1.0	.230	7.8
AUG											
14...	70	16	.9	--	19	79	.77	.080	.30	.160	3.3
SEP											
11...	10	7	1.4	330	20	9	.85	.180	.40	.130	2.3

02218300 OCONEE RIVER NEAR PENFIELD, GA.

LOCATION.--Lat 33°43'16", long 83°17'44", Greene County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 15, 7.0 mi upstream from Greenbrier Creek, 8.0 mi northwest of Penfield, and 10.0 mi southeast of Watkinsville.
DRAINAGE AREA.--940 mi².
PERIOD OF RECORD.--Water years 1970-77 (annual maximum), August 1977 to current year.
GAGE.--Water-stage recorder. Datum of gage is 433.26 ft, National Geodetic Vertical Datum of 1929. Nov. 4, 1969 to July 21, 1977, crest-stage gage at same site and datum.
REMARKS.--Records good. Some regulation at low flow from manipulation of Barnett Shoals Dam.
AVERAGE DISCHARGE.--7 years, 1,360 ft³/s, 19.65 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft³/s Mar. 16, 1976, gage height, 22.11 ft; minimum daily discharge. 101 ft³/s Oct. 8, 1981.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1936, reached a stage of 26.7 ft, discharge, 41,500 ft³/s, from rating curve extended above 21,000 ft³/s on basis of computation of flow over Barnett Shoals Dam located 10 mi upstream.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 6	2300	*14000	19.12	Feb. 28	0500	5660	13.15
Dec. 14	0200	6680	14.08	Mar. 30	1900	5260	12.79
Jan. 19	1300	4760	12.34	May 5	2200	7140	14.47
Feb. 14	1600	7220	14.54	Aug. 2	0800	9100	16.00

Minimum daily discharge, 372 ft³/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412	470	1840	1850	1390	2810	2170	1740	1220	1110	6760	777
2	399	465	1360	1610	1350	2090	1860	1770	1110	1050	8640	729
3	399	464	2540	1510	1360	1830	2040	3710	1050	908	6070	694
4	381	485	5840	1440	1450	1690	2450	6360	1000	865	3530	650
5	403	514	7910	1370	1440	1860	2410	6930	963	798	2340	682
6	438	524	11000	1330	1350	3720	2090	5930	932	1350	1920	669
7	403	498	12600	1290	1280	3010	1850	2880	906	1320	1810	643
8	390	483	12300	1230	1230	2230	1700	2270	889	1030	1520	623
9	372	486	10600	1180	1200	1870	2220	2140	866	855	1310	611
10	376	492	4730	1740	1200	1690	3320	1920	842	778	1190	605
11	378	496	2530	4070	1370	1600	2910	1740	824	720	1240	596
12	400	499	4470	3580	1350	1530	2420	1640	805	700	1120	580
13	679	492	5700	2550	2940	1640	2020	1580	797	737	1210	575
14	1130	499	5710	1920	6770	1730	1910	1510	779	1520	1400	556
15	1180	1310	2770	1710	6130	1640	1840	1440	757	1030	1660	533
16	869	1930	2040	1600	4510	1530	1710	1370	733	1630	1290	515
17	626	1560	1740	1520	2490	1500	1620	1330	714	1900	1220	489
18	548	1080	1560	1950	1990	1530	1560	1290	702	2250	1110	471
19	508	854	1450	4530	1780	1500	1530	1260	681	1720	1030	470
20	493	904	1370	3780	1650	1480	2690	1240	676	1430	1010	476
21	484	1290	1300	2650	1550	2500	3250	1210	806	1060	955	476
22	473	1430	1570	1960	1490	2940	2860	1290	895	947	905	462
23	509	1120	2480	1700	1680	2440	3440	1860	895	961	872	455
24	653	1340	2800	1750	1680	1870	3200	1730	849	923	834	456
25	730	3360	2050	1980	1570	1810	2860	1470	871	886	803	452
26	624	3540	1560	2010	1480	1690	2150	1300	856	867	786	454
27	539	2270	1380	1990	3330	1560	1930	1270	753	1140	769	446
28	504	2290	1900	1860	5340	1980	1990	1280	696	1740	759	433
29	491	2790	3170	1680	4800	3630	1940	1670	707	2810	794	436
30	478	2570	3920	1550	---	4790	1810	1650	826	6690	908	440
31	478	---	2700	1460	---	3610	---	1450	---	6560	896	---
TOTAL	16747	36505	124890	62350	67130	67300	67750	66230	25400	48285	56661	16484
MEAN	540	1217	4029	2011	2315	2171	2258	2136	847	1558	1828	549
MAX	1180	3540	12600	4530	6770	4790	3440	6930	1220	6690	8640	777
MIN	372	464	1300	1180	1200	1480	1530	1210	676	700	759	433
CFSM	.57	1.30	4.29	2.14	2.46	2.31	2.40	2.27	.90	1.66	1.95	.58
IN.	.66	1.44	4.94	2.47	2.66	2.66	2.68	2.62	1.01	1.91	2.24	.65

CAL YR 1983 TOTAL 580434 MEAN 1590 MAX 13500 MIN 231 CFSM 1.69 IN 22.97
WTR YR 1984 TOTAL 655732 MEAN 1792 MAX 12600 MIN 372 CFSM 1.91 IN 25.95

02218500 OCONEE RIVER NEAR GREENSBORO, GA.

LOCATION.--Lat 33°34'52", long 83°16'22", Greene County, Hydrologic Unit 03070101, on right bank 300 ft downstream from bridge on State Highway 12, 1 mi downstream from Town Creek, 3 mi upstream from Apalachee River, 5 mi west of Greensboro, and 12 mi downstream from Barnett Shoals Dam.

DRAINAGE AREA.--1,090 mi^2, approximately.

PERIOD OF RECORD.--November 1969 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge records for water years 1903-32, 1936-78 are published in records of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC									
13...	1245	45	46	6.8	6.8	9.5	8.0	8.6	77
MAR									
13...	1330	50	53	7.1	7.1	10.5	10.0	10.9	99
JUN									
12...	1400	68	68	8.9	8.9	30.0	32.5	10.8	143
SEP									
11...	1330	79	69	8.3	8.0	26.0	32.0	9.2	114

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC								
13...	50	1.9	4900	13	.45	.090	.130	6.3
MAR								
13...	25	1.5	70	16	.57	.100	.900	2.5
JUN								
12...	6.0	3.9	460	20	.26	.030	.080	4.4
SEP								
11...	10	.4	130	21	.30	.050	.030	5.2

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.

LOCATION.--Lat 33°47'17", long 83°28'27", Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 ft upstream from bridge on Price Mill Road, 3.0 mi southwest of Bishop, 4.0 mi upstream from Jacks Creek, and 4.0 mi northeast of Bostwick.
DRAINAGE AREA.--176 mi^2.
PERIOD OF RECORD.--June 1944 to December 1949, April 1977 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 535 ft, from topographic map.
REMARKS.--Records good. Some regulation at low flow from manipulation of High Shoals Dam.
AVERAGE DISCHARGE.--12 years (water years 1945-49, 1978-84), 263 ft^3/s, 20.29 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft^3/s Jan. 6, 1946, gage height, 8.9 ft; minimum daily discharge, 14 ft^3/s Sept. 29 to Oct. 1, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 6	1000	*3300	5.19	July 30	2100	2800	4.89

Minimum daily discharge, 69 ft^3/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	87	240	339	281	393	377	336	246	180	1790	136
2	79	88	201	313	275	341	341	403	227	185	1750	129
3	74	89	529	299	273	314	430	1600	214	170	775	125
4	71	90	1350	288	307	297	507	1660	204	152	512	123
5	74	93	1130	281	292	420	439	1100	196	138	385	125
6	77	94	2130	273	259	772	372	628	190	146	323	121
7	76	92	2150	263	245	546	337	471	186	156	312	115
8	71	91	1740	252	236	405	316	418	182	154	274	111
9	69	91	549	246	234	345	534	389	178	137	238	108
10	69	93	398	481	236	317	652	351	173	128	217	109
11	71	93	477	858	292	301	494	322	168	121	203	108
12	93	92	962	612	280	291	419	302	165	113	203	105
13	140	91	861	410	592	329	372	288	161	142	246	101
14	180	100	539	348	1120	346	362	277	157	142	235	98
15	167	266	428	319	709	314	357	262	152	158	214	96
16	117	342	371	303	486	298	330	252	148	179	196	91
17	101	259	337	291	388	299	310	244	144	276	183	86
18	94	173	316	423	337	311	304	237	141	309	175	84
19	91	145	300	959	304	301	304	231	135	241	172	85
20	90	170	290	679	289	339	908	227	133	195	177	87
21	87	243	282	454	274	740	884	222	139	174	163	87
22	89	224	389	372	264	592	625	297	168	166	158	84
23	103	172	524	337	294	423	641	367	143	155	155	83
24	130	261	423	350	289	359	513	301	140	216	150	85
25	120	478	318	371	268	360	421	257	150	210	144	85
26	102	411	301	350	255	334	370	243	135	170	144	83
27	95	256	286	357	850	312	369	241	123	202	139	80
28	91	455	478	357	839	412	392	276	117	248	140	78
29	89	460	736	326	548	766	369	387	122	788	144	81
30	89	343	619	304	---	663	345	354	160	1920	151	91
31	87	---	404	290	---	452	---	287	---	2250	146	---
TOTAL	2971	5964	20058	12105	11316	12692	13394	13230	4897	9921	10214	2980
MEAN	95.8	198	647	390	390	409	446	427	163	320	329	99.3
MAX	180	478	2150	959	1120	772	908	1660	246	2250	1790	136
MIN	69	87	201	246	234	291	304	222	117	113	139	78
CFSM	.54	1.13	3.68	2.22	2.22	2.32	2.53	2.43	.93	1.82	1.87	.56
IN.	.63	1.26	4.24	2.56	2.39	2.68	2.83	2.80	1.04	2.10	2.16	.63

CAL YR 1983 TOTAL 106631 MEAN 292 MAX 3720 MIN 33 CFSM 1.66 IN 22.54
WTR YR 1984 TOTAL 119722 MEAN 327 MAX 2250 MIN 69 CFSM 1.86 IN 25.30

02220550 WHITTEN CREEK NEAR SPARTA, GA.

LOCATION.--Lat 33°23'13", long 83°01'29", Hancock County, Hydrologic Unit 03070101, in right bank 100 ft upstream from bridge on State Highway 15, 5 mi upstream from mouth, and 8.5 mi northwest of Sparta.
DRAINAGE AREA.--15 mi², approximately.
PERIOD OF RECORD.--June 1960 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 395 ft, from topographic map. Prior to Aug. 17, .963, water-stage recorder at site 100 ft downstream at same datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--24 years, 15.5 ft³/s, 14.03 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,770 ft³/s Feb. 24, 1961, gage height, 16.0 ft, at former site; minimum daily discharge, no flow Oct. 1-9, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 27	1300	709	10.04	May 29	0015	1140	11.67
May 4	0315	*1280	12.11				

Minimum daily discharge, 0.17 ft³/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	1.1	5.5	9.8	9.9	19	19	10	19	3.2	7.5	2.1
2	.36	1.2	4.4	7.7	9.0	16	17	10	14	3.0	22	2.0
3	.33	1.2	57	7.4	8.7	14	38	66	10	2.7	10	1.9
4	.30	1.3	127	7.0	19	12	41	373	8.5	2.5	6.4	2.1
5	.30	1.4	29	7.0	15	48	31	53	7.2	2.3	4.6	2.4
6	.28	1.5	57	6.8	12	99	22	27	6.4	2.1	4.1	2.2
7	.23	1.4	27	6.5	10	44	18	17	5.6	2.1	3.5	2.0
8	.19	1.5	17	5.1	9.7	25	16	13	5.1	2.0	3.0	1.8
9	.17	1.6	13	4.9	9.5	20	19	10	4.7	1.8	2.7	1.7
10	.17	1.6	11	131	8.9	17	27	8.0	4.4	1.8	3.5	1.7
11	.19	1.7	16	91	8.3	16	20	6.6	4.1	1.8	45	1.6
12	.34	1.8	36	27	7.9	14	17	5.5	3.9	3.8	12	1.6
13	2.3	1.7	17	17	21	19	15	4.7	3.7	2.5	7.3	1.4
14	1.2	2.7	13	14	41	17	14	4.2	3.4	3.2	5.4	1.4
15	.71	8.9	11	11	20	14	15	3.8	3.4	2.7	4.4	1.3
16	.60	3.9	9.3	10	14	13	13	3.4	3.2	2.2	3.7	1.1
17	.56	2.1	8.3	8.7	11	13	12	3.1	3.0	2.1	3.3	.99
18	.63	1.7	7.7	31	9.8	12	12	2.9	2.9	28	3.0	.95
19	.62	1.5	7.3	120	8.5	11	11	2.7	2.8	13	3.0	.91
20	.61	8.1	6.9	27	8.2	11	63	2.5	2.7	5.8	3.2	.96
21	.64	4.9	6.6	17	7.5	28	44	2.3	2.6	4.3	2.8	.94
22	.70	2.3	9.0	13	7.4	17	27	6.0	2.9	3.5	2.6	.88
23	1.5	1.8	11	11	18	14	22	11	3.0	3.0	2.6	.82
24	2.1	33	9.2	21	13	13	18	4.6	2.8	3.2	2.8	.88
25	1.2	35	9.3	29	10	67	14	3.2	2.8	3.0	2.5	.84
26	1.1	8.7	8.5	18	8.4	39	13	2.7	2.6	2.8	2.3	.80
27	.98	5.6	8.8	48	208	25	12	8.9	2.3	2.9	2.3	.73
28	.94	26	15	27	63	93	12	135	2.3	2.8	2.2	.66
29	.94	14	23	17	27	75	11	215	2.3	4.0	2.2	.69
30	.97	7.6	14	13	---	41	10	54	3.5	6.4	2.4	.78
31	1.0	---	10	11	---	26	---	32	---	5.0	2.3	---
TOTAL	22.53	186.8	602.8	774.9	624.1	892	623	1101.1	145.1	129.5	184.6	40.13
MEAN	.73	6.23	19.4	25.0	21.5	28.8	20.8	35.5	4.84	4.18	5.95	1.34
MAX	2.3	35	127	131	208	99	63	373	19	28	45	2.4
MIN	.17	1.1	4.4	4.9	7.4	11	10	2.3	2.3	1.8	2.2	.66
CFSM	.05	.42	1.29	1.67	1.43	1.92	1.39	2.37	.32	.28	.40	.09
IN.	.06	.46	1.49	1.92	1.55	2.21	1.54	2.73	.36	.32	.46	.10

CAL YR 1983 TOTAL 5457.83 MEAN 15.0 MAX 900 MIN .17 CFSM 1.00 IN 13.53
WTR YR 1984 TOTAL 5326.56 MEAN 14.6 MAX 373 MIN .17 CFSM .97 IN 13.21

02220900 LITTLE RIVER NEAR EATONTON, GA.

LOCATION.--Lat 33°18'50", long 83°26'14", Putnam County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 16, 0.9 mi downstream from Glady Creek, and 3.0 mi west of Eatonton.
DRAINAGE AREA.--262 mi².
PERIOD OF RECORD.--Water years 1971-77 (annual maximum), August 1977 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 370 ft, from topographic map. Feb. 19, 1970 to Aug. 1, 1977, crest-stage gage at same site and datum.
REMARKS.--Records good, except those for period of no gage height record, July 31 to Aug. 3, which are poor.
AVERAGE DISCHARGE.--7 years, 253 ft³/s, 13.11 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft³/s Mar. 3, 1971, gage height, 24.4 ft; minimum daily discharge, 6.7 ft³/s July 28, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 5	0100	2410	9.04
Feb. 27	1300	2310	8.69
Apr. 9	1800	2780	10.21
May 4	1800	3750	12.43
Aug. 2	unknown	*4170	13.33 (from floodmark)

Minimum daily discharge, 36 ft³/s Oct. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	60	335	338	292	568	380	284	165	144	1500	90
2	44	57	247	301	274	448	336	266	155	176	3600	85
3	43	55	959	282	264	387	462	418	147	170	3000	83
4	42	56	2030	265	275	346	710	3100	141	133	1500	96
5	41	58	2050	251	279	407	556	2480	134	113	692	95
6	41	59	1420	239	250	893	418	911	129	112	626	90
7	40	59	1290	226	230	825	351	522	125	120	360	83
8	39	59	1070	213	221	558	311	414	122	117	266	78
9	37	60	545	205	217	439	1410	360	119	96	221	73
10	36	63	420	652	217	371	1750	321	115	87	194	71
11	36	63	489	1410	222	339	945	282	110	82	171	70
12	38	64	1060	1180	232	314	605	257	107	79	166	68
13	50	63	1040	614	822	356	490	240	104	77	156	65
14	168	72	596	445	1700	396	467	228	100	96	177	63
15	154	267	443	372	1190	331	505	219	97	114	206	61
16	91	633	358	330	658	299	403	206	96	111	157	59
17	72	504	307	303	467	299	359	194	92	111	142	56
18	63	229	278	380	388	305	345	185	87	209	143	52
19	59	166	258	1500	340	285	317	180	84	308	131	52
20	56	175	243	1360	312	289	650	175	82	224	123	53
21	53	275	230	688	287	704	1170	170	80	162	116	53
22	53	259	269	470	272	815	753	184	96	130	110	53
23	61	185	403	389	339	471	603	238	102	121	109	51
24	81	388	344	409	317	371	561	226	99	118	110	52
25	76	932	255	474	273	440	424	190	107	129	104	53
26	68	803	204	423	249	464	356	177	117	123	98	53
27	61	382	240	528	1440	373	336	181	96	189	93	50
28	57	620	399	555	1930	630	360	183	85	231	91	47
29	55	899	759	441	1120	904	329	236	86	194	94	47
30	53	675	672	369	—	667	302	223	113	317	100	50
31	54	—	427	320	—	457	—	185	—	1100	97	—
TOTAL	1868	8240	19640	15932	15077	14751	16964	13435	3292	5493	14653	1952
MEAN	60.3	275	634	514	520	476	565	433	110	177	473	65.1
MAX	168	932	2050	1500	1930	904	1750	3100	165	1100	3600	96
MIN	36	55	204	205	217	285	302	170	80	77	91	47
CFSM	.23	1.05	2.42	1.96	1.99	1.82	2.16	1.65	.42	.68	1.81	.25
IN.	.27	1.17	2.79	2.26	2.14	2.09	2.41	1.91	.47	.78	2.08	.28

CAL YR 1983 TOTAL 127819 MEAN 350 MAX 7070 MIN 22 CFSM 1.34 IN 18.15
WTR YR 1984 TOTAL 131297 MEAN 359 MAX 3600 MIN 36 CFSM 1.37 IN 18.64

02221525 MURDER CREEK BELOW EATONTON, GA.

LOCATION.--Lat 33°15'08", long 83°28'53", Putnam County, Hydrologic Unit 03070101, in left bank 250 ft upstream from bridge on county road S-777, 3.0 mi downstream from Beaverdam Creek, 5.8 mi upstream from mouth, and 7.5 mi southwest of Eatonton.
DRAINAGE AREA.--190 mi^2.
PERIOD OF RECORD.--April 1977 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 375 ft, from topographic map.
REMARKS.--Records good. Some diurnal fluctuation at low flow.
AVERAGE DISCHARGE.--7 years, 178 ft^3/s, 12.72 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,700 ft^3/s Apr. 9, 1983, gage height, 9.67 ft; minimum daily discharge, 7.7 ft^3/s July 30, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 10	2115	2230	4.98	Aug. 2	1715	*3500	8.34
May 5	0630	2600	5.35				

Minimum daily discharge, 33 ft^3/s Oct. 9-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	45	212	203	198	377	283	237	144	86	1490	72
2	36	45	167	188	190	294	260	226	132	91	3890	68
3	36	47	388	178	185	259	318	251	122	88	3200	66
4	35	48	1390	169	191	235	427	1290	115	86	1680	66
5	36	48	1390	161	184	278	330	2130	108	75	628	67
6	37	49	824	153	168	702	284	623	104	70	500	65
7	36	49	722	146	159	556	258	340	102	97	295	62
8	34	49	394	138	153	369	242	273	98	83	218	59
9	33	49	265	134	152	295	946	243	94	68	182	57
10	33	50	212	482	152	257	1800	212	92	63	161	58
11	33	52	294	1040	155	239	1310	194	88	59	145	57
12	35	51	882	683	155	225	511	184	84	59	169	56
13	47	50	709	342	702	246	382	173	81	72	162	55
14	106	57	354	259	1010	239	336	168	77	111	145	53
15	72	217	263	224	607	226	415	183	76	112	137	52
16	55	422	214	207	324	214	320	164	73	78	124	49
17	49	243	189	191	265	215	289	151	71	174	117	46
18	48	128	172	260	225	224	276	144	68	175	113	45
19	46	102	160	904	208	211	258	140	66	201	109	48
20	45	114	153	910	201	222	332	134	64	117	106	47
21	44	215	147	415	188	625	619	130	62	101	100	47
22	43	146	166	289	185	532	416	164	71	93	94	46
23	50	114	198	244	211	324	395	197	81	331	88	44
24	65	254	166	259	200	272	346	160	76	372	96	46
25	57	735	135	305	179	374	284	139	86	144	88	48
26	51	499	108	269	172	382	257	147	94	139	83	46
27	47	223	150	365	1070	313	255	248	76	123	79	44
28	46	514	257	393	1520	505	275	191	70	127	76	42
29	45	726	502	293	856	652	251	344	69	144	76	42
30	44	366	351	247	—	405	241	248	96	383	80	44
31	44	—	238	217	—	317	—	170	—	1350	77	—
TOTAL	1425	5707	11972	10268	10165	10604	12916	9598	2640	5272	14508	1597
MEAN	46.0	190	386	331	351	342	431	310	88.0	170	468	53.2
MAX	106	735	1390	1040	1520	702	1800	2130	144	1350	3890	72
MIN	33	45	108	134	152	211	241	130	62	59	76	42
CFSM	.24	1.00	2.03	1.74	1.85	1.80	2.27	1.63	.46	.90	2.46	.28
IN.	.28	1.12	2.34	2.01	1.99	2.08	2.53	1.88	.52	1.03	2.84	.31

CAL YR 1983 TOTAL 87963 MEAN 241 MAX 6090 MIN 21 CFSM 1.27 IN 17.22
WTR YR 1984 TOTAL 96672 MEAN 264 MAX 3890 MIN 33 CFSM 1.39 IN 18.93

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°04'58", long 83°12'51", Baldwin County, Hydrologic Unit 03070101, at right bank on city of Milledgeville water-works intake structure at Milledgeville, 0.5 mi upstream from bridge on State Highway 24, 3.8 mi downstream from Sinclair Dam of Georgia Power Co., and at mile 139.1.

DRAINAGE AREA.--2,950 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1903 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft, National Geodetic Vertical Datum of 1929. Prior to May 23, 1906, Jan. 1 to Oct. 5, 1909, Jan. 1, 1932, to Sept. 30, 1939, nonrecording gages at site 0.5 mi downstream, and Oct. 1, 1939, to Mar. 8, 1966, water-stage recorder 0.3 mi downstream, all at present datum. May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, nonrecording gages at Fraleys Ferry, 6.8 mi upstream at different datum.

REMARKS.--Records good. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. (See "Lakes and Reservoirs in Altamaha River Basin," stations 02220450 and 02225000.)

AVERAGE DISCHARGE.--81 years, 3,359 ft³/s, 15.46 in/yr, adjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s Feb. 25, 1961, gage height, 42.9 ft, from rating curve extended above 77,000 ft³/s; minimum daily, 90 ft³/s for several days in August and September 1925 and on Aug. 3, 1955.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 45.7 ft in 1886 at site 0.5 mi downstream at present datum, from information by Georgia Department of Transportation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,200 ft³/s Feb. 27, gage height, 23.71 ft; minimum daily discharge, 403 ft³/s Sept. 22, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	715	1750	4680	4440	3980	5690	4010	3980	4000	1640	14500	1710
2	510	1400	4020	4680	3980	4010	3990	3980	3780	1550	20500	1600
3	516	1080	8000	4130	3980	4010	4760	7380	1960	2380	19200	1010
4	522	1100	17500	3950	4000	4010	6410	22300	2000	2090	12200	1270
5	528	1040	16900	3960	3990	5300	7970	14100	1850	2080	6530	943
6	533	1050	18800	3960	3990	15600	4180	10600	1800	2070	4860	1450
7	538	1120	17500	3950	3970	10700	3990	7380	2000	2060	3990	1210
8	535	1090	18800	3940	3980	6400	3990	4220	1400	1790	3990	986
9	538	1240	16600	3950	3980	4700	10000	3980	1450	1740	3660	614
10	536	1020	6070	4060	3980	4070	12300	3980	1700	1740	3040	718
11	557	808	6940	12900	3980	4000	8920	3980	1600	1670	2660	640
12	542	903	11900	11700	3980	4380	8060	3990	1370	1910	2470	964
13	1100	574	11300	10300	6230	4000	4210	3990	1360	2000	2260	717
14	1960	592	6670	5270	13100	3990	3980	3990	1350	1810	2670	785
15	547	2310	6090	3960	13700	3990	3980	3980	1080	1660	2640	410
16	901	3330	4010	3960	6460	3990	3980	3980	733	2180	2500	411
17	1010	3330	4000	3960	6830	4000	3980	3600	1400	2300	2360	410
18	967	3320	4000	4050	4120	4000	3980	3120	1750	2760	2040	621
19	1000	3060	4000	14300	3980	4000	3980	2430	1570	4020	2140	696
20	538	2180	4000	12200	3970	4030	5270	734	1400	4010	2000	668
21	544	2660	3990	9000	3960	7400	10500	1280	1280	3760	1360	404
22	542	2640	4010	4000	3980	6260	9360	2250	1130	2860	1520	403
23	567	3330	4010	3820	3990	4920	6350	923	1110	2860	1280	405
24	562	4000	4030	4030	3990	5480	5160	1140	1160	2280	1310	403
25	552	4570	4000	4970	3990	10200	6290	1230	1400	2640	1300	804
26	548	7810	3990	9100	3980	5070	5330	1120	1270	2500	1290	673
27	554	5770	4000	4930	12300	5130	4780	1370	1260	2540	1290	691
28	556	9320	4030	5790	18800	11100	3990	1990	1590	3200	1750	595
29	556	9060	5130	4760	12800	13600	3990	4050	1270	3450	1790	584
30	556	4390	7550	4680	---	9820	3990	4010	1610	6110	1830	415
31	1110	---	7990	4080	---	7910	---	4010	---	13800	2080	---
TOTAL	21270	85847	244310	182760	174170	191760	171880	139067	48633	89460	133010	23210
MEAN	686	2862	7881	5895	6006	6186	5729	4486	1621	2886	4291	774
MAX	1960	9320	18800	14300	18800	15600	12300	22300	4000	13800	20500	1710
MIN	516	574	3990	3820	3960	3990	3980	734	733	1550	1280	403
MEAN†	832	3195	7704	5954	5860	5972	5790	4706	1535	3086	3950	729
CFSM†	.28	1.08	2.61	2.02	1.99	2.02	1.96	1.59	.52	1.05	1.34	.25
IN†	.33	1.21	2.82	2.32	2.14	2.33	2.19	1.84	.58	1.21	1.54	.28

CAL YR 1983 TOTAL 1444859 MEAN 3959 MAX 54000 MIN 515 MEAN† 3964 CFSM† 1.34 IN† 18.24
WTR YR 1984 TOTAL 1505377 MEAN 4113 MAX 22300 MIN 403 MEAN† 4115 CFSM† 1.39 IN† 18.99

† ADJUSTED FOR CHANGE IN LAKE OCONEE AND SINCLAIR RESERVOIR.

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
11...	1115	546	65	67	7.3	7.2	23.0	20.0	8.1	95
NOV										
08...	1130	3270	74	66	7.5	7.3	20.0	22.0	8.3	92
DEC										
13...	1100	11300	60	62	7.3	7.3	13.0	9.5	9.8	95
JAN										
10...	1300	3990	60	55	7.4	6.9	8.5	13.0	10.5	91
FEB										
14...	1415	12900	48	50	7.1	7.5	10.0	21.0	10.7	96
MAR										
13...	1400	3990	49	52	7.1	7.1	11.0	14.5	9.3	85
APR										
10...	1445	10600	49	51	7.2	7.1	15.0	12.0	9.4	95
MAY										
09...	1200	3990	55	52	6.7	7.1	20.0	23.0	7.5	83
JUN										
12...	1230	2950	57	57	7.0	6.9	25.0	31.0	7.4	89
JUL										
17...	1530	3280	58	60	7.0	7.0	28.0	30.0	3.3	42
AUG										
14...	1045	3210	67	60	—	7.1	27.0	30.0	4.5	56
SEP										
11...	1145	406	66	59	6.9	7.2	27.0	29.5	6.5	82

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
OCT											
11...	9.0	.8	110	20	21	.03	.190	<.020	2.4	2000	55
NOV											
08...	6.0	.9	—	—	21	.04	.080	<.020	2.4	320	<50
DEC											
13...	10	1.2	210	20	21	.20	.070	.040	4.6	610	40
JAN											
10...	35	1.0	330	50	19	.35	.100	.030	6.1	2000	60
FEB											
14...	25	1.7	170	50	15	.42	.110	.040	6.8	1500	50
MAR											
13...	26	.4	220	<35	15	.37	.090	.060	3.6	1200	35
APR											
10...	30	.8	110	20	16	.33	.090	<.020	5.1	1500	35
MAY											
09...	24	1.0	260	20	16	.34	.080	.040	2.9	480	40
JUN											
12...	21	.6	330	110	18	.28	.060	.040	3.8	1200	110
JUL											
17...	5.0	.4	4600	20	20	.07	.060	.030	3.0	180	260
AUG											
14...	17	.8	—	—	20	.17	.080	.030	4.0	820	140
SEP											
11...	3.0	.6	340	20	19	.05	.050	<.020	3.5	210	80

02223040 OCONEE RIVER NEAR HARDWICK, GA.

LOCATION.--Lat 33°01'45", long 83°11'24", Baldwin County, Hydrologic Unit 03070102, on right bank 1 mi downstream from Camp Creek, and 3 mi southeast of Hardwick.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.) Discharge obtained from gaging station 02223000, Oconee River at Milledgeville, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
11...	1015	564	—	72	7.3	7.1	22.5	21.0	7.7	90
NOV										
08...	1045	3200	78	71	7.4	7.2	18.5	20.0	8.0	86
DEC										
13...	1030	11300	65	65	7.3	7.2	13.0	9.5	8.4	81
JAN										
10...	1200	3990	—	56	7.3	7.0	9.0	13.5	7.3	64
FEB										
14...	1330	11200	48	53	7.1	7.2	9.5	21.0	10.4	92
MAR										
13...	1315	3990	50	54	7.0	7.1	11.0	14.5	10.2	93
APR										
10...	1400	10600	50	52	7.1	7.0	15.0	12.0	9.3	94
MAY										
09...	1115	3980	58	53	6.7	7.1	19.5	21.0	7.5	82
JUN										
12...	1145	720	62	62	7.0	6.9	24.0	32.0	5.6	66
JUL										
17...	1415	3280	60	61	6.9	7.0	28.5	31.0	5.5	71
AUG										
14...	1000	3190	72	65	—	7.0	26.5	29.5	4.5	56
SEP										
11...	1045	410	58	66	7.1	7.2	25.0	29.5	6.3	78

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
11...	4.0	1.3	<20	22	.04	.130	.060	2.6
NOV								
08...	5.0	1.3	—	23	.07	.190	.050	2.6
DEC								
13...	10	1.5	330	22	.19	.070	.040	4.8
JAN								
10...	35	1.8	490	19	.36	.120	.040	6.0
FEB								
14...	26	1.4	900	14	.34	.120	.030	5.6
MAR								
13...	26	1.3	70	16	.36	.100	.040	3.1
APR								
10...	30	1.6	110	16	.31	.070	<.020	4.7
MAY								
09...	24	1.2	1300	16	.34	.080	.040	2.6
JUN								
12...	16	1.2	7000	19	.28	.120	.050	3.7
JUL								
17...	5.0	.8	330	20	.12	.060	.030	3.0
AUG								
14...	15	1.4	—	21	.20	.130	.040	3.3
SEP								
11...	3.0	1.2	330000	24	.10	.110	.070	3.0

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.

LOCATION.--Lat 32°46'54", long 82°57'30", Wilkinson-Washington County line, Hydrologic Unit 03070102, at bridge on State Highway 57, 3.2 mi downstream of Commissioner Creek, 7.5 mi east of Toomsboro, and at mile 96.2.

DRAINAGE AREA.--3,770 mi^2.

PERIOD OF RECORD.--February 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 11...	0915	570	88	95	7.4	7.2	21.5	19.0	6.8	78
NOV 08...	0930	1200	84	77	7.4	7.3	16.5	25.0	8.6	88
DEC 13...	0915	14000	60	61	7.1	7.1	13.0	9.5	8.3	80
JAN 10...	1045	4500	70	63	7.2	7.0	13.5	8.0	8.9	86
FEB 14...	1230	7400	50	56	7.0	7.0	9.5	17.0	10.3	91
MAR 13...	1215	640	56	58	6.9	7.1	12.0	16.5	10.0	93
APR 10...	1315	8600	52	52	7.0	7.0	14.5	10.0	9.4	94
MAY 09...	1015	12400	62	57	6.6	7.1	19.0	21.0	7.0	75
JUN 12...	1030	1680	77	76	7.1	7.1	25.0	32.5	7.0	84
JUL 17...	1245	2600	69	71	7.2	7.2	29.0	33.5	6.4	83
AUG 14...	0900	2650	81	74	—	7.3	26.0	29.5	6.8	83
SEP 11...	1000	710	112	106	7.1	7.4	25.0	31.5	7.2	87

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	10	5.0	.8	3300	22	.06	.040	.030	2.0
NOV 08...	--	10	1.2	--	20	.12	.060	.050	2.6
DEC 13...	50	27	1.4	490	19	.15	.050	.080	6.1
JAN 10...	110	36	1.2	<20	16	.37	.100	.040	5.4
FEB 14...	120	70	1.0	1100	14	.34	.100	.040	6.2
MAR 13...	85	34	1.2	50	15	.33	.060	.050	3.5
APR 10...	120	60	1.6	170	15	.34	.050	.040	5.7
MAY 09...	80	31	1.1	130	18	.28	.040	.060	5.4
JUN 12...	40	22	.8	230	20	.32	.030	.060	3.9
JUL 17...	30	15	.6	490	19	.18	.020	.060	4.9
AUG 14...	70	23	.6	—	23	.19	.040	.070	3.9
SEP 11...	15	5.0	1.1	1100	24	.02	.040	.060	2.3

02223500 OCONEE RIVER AT DUBLIN, GA.

LOCATION.—Lat 32°32'40", long 82°53'41", Laurens County, Hydrologic Unit 03070102, near left bank on downstream end of pier of bridge on U.S. Highway 80 at Dublin, and at mile 74.3.

DRAINAGE AREA.—4,400 mi², approximately.

PERIOD OF RECORD.—January 1894 to September 1897 (gage heights only), October 1897 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1898-1903, 1905-6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.—Water-stage recorder. Datum of gage is 149.08 ft, National Geodetic Vertical Datum of 1929. Prior to Apr. 14, 1932, nonrecording gage and Apr. 15, 1932, to June 17, 1934, water-stage recorder at site 420 ft downstream at datum 3.0 ft higher, Oct. 1, 1933, to July 17, 1934 corrected to present datum. July 18, 1934, to Apr. 14, 1936, water-stage recorder, April 15, 1936, to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938, to Jan. 20, 1953, water-stage recorder at site 80 ft upstream at present datum.

REMARKS.—Records good. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.) Records of chemical analyses for the water years 1968-73 and continuous water temperature record collected October 1963 to September 1964 and June 1979 to September 1983 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—87 years (1897-1984), 5,027 ft³/s, 15.52 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 97,700 ft³/s Apr. 12, 13, 1936, gage height, 32.97 ft; minimum, 333 ft³/s Sept. 12, 1951, gage height, 0.48 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 19,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 11	2400	*23700	20.87	Aug. 6	1700	20900	19.70

Minimum daily discharge, 580 ft³/s Sept. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	754	809	9470	7880	7680	12500	14200	6410	5650	1740	7940	2010
2	741	1180	8100	8240	6410	15800	15000	5910	5220	1960	10300	1960
3	831	1460	6470	6810	5750	18000	13700	5600	4810	2010	12300	1770
4	739	1370	6250	6160	5500	16400	10800	6830	3300	2240	14300	1620
5	709	1200	8370	5220	5410	12200	9910	9140	2640	2470	18000	1320
6	697	1200	10900	4830	5290	9210	10200	10700	2370	2330	20600	1340
7	689	1150	12600	4660	5140	10200	10600	13000	2320	2390	20000	1270
8	689	1260	14900	4560	5040	11500	9800	16000	2230	2460	17100	1400
9	688	1250	18500	4460	4940	13000	7970	16300	2220	2240	12500	1290
10	683	1290	21300	4490	4870	14600	7770	13800	1900	2100	7120	1140
11	677	1240	23200	5130	4810	14100	9490	8620	1910	2060	4230	912
12	682	1080	22900	6820	4790	11000	10800	5580	1970	2120	3720	921
13	699	978	20200	8670	4890	7830	11900	4860	1920	1940	3210	867
14	728	979	17400	10100	5790	7210	12400	4640	1720	2170	3040	1040
15	1260	847	15600	11200	8020	6690	11000	4510	1690	2380	3060	918
16	1500	1170	14300	11800	9630	6350	7580	4420	1600	2180	3100	911
17	888	2760	12800	10200	10900	6100	5970	4350	1440	2340	2890	701
18	1070	3110	9750	7160	12000	5910	5510	4190	1350	2500	2720	652
19	1040	3180	6730	6710	12200	5770	5290	3650	1720	2930	2510	632
20	1040	3330	5580	7910	10200	5730	5410	3100	1820	4250	2340	728
21	1070	2850	5160	9430	6780	6320	5810	2230	1770	4690	2400	796
22	827	3100	5170	10900	5630	7090	7660	1570	1770	4640	2010	794
23	774	3070	5360	12500	6040	8310	9500	2270	1650	3620	1750	648
24	808	4020	5670	13200	6430	8390	10600	2310	1570	3470	1790	604
25	840	5650	5430	11600	6200	8360	10700	1740	1580	2960	1630	589
26	837	6420	5130	9370	5960	9390	9530	1810	1690	2910	1630	580
27	810	7310	4920	9110	6680	10400	8490	1870	1650	2910	1580	776
28	786	8240	4930	9960	9270	11100	9030	1870	1630	3210	1550	768
29	771	8210	5380	10300	10900	11500	8700	3660	1740	4160	1710	772
30	750	9200	5820	10200	—	11900	7210	5830	1750	4590	1830	723
31	736	—	6930	9160	—	12600	—	5930	—	5820	1980	—
TOTAL	25813	88913	325420	258740	203150	315460	282530	182700	66600	89790	190840	30452
MEAN	833	2964	10500	8346	7005	10180	9418	5894	2220	2896	6156	1015
MAX	1500	9200	23200	13200	12200	18000	15000	16300	5650	5820	20600	2010
MIN	677	809	4920	4460	4790	5730	5290	1570	1350	1740	1550	580

CAL YR 1983 TOTAL 2085605 MEAN 5714 MAX 43800 MIN 677 MEAN† 5719 CFSM† 1.30 IN† 17.64
WTR YR 1984 TOTAL 2060408 MEAN 5630 MAX 23200 MIN 580 MEAN† 5632 CFSM† 1.28 IN† 17.42

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE OCONEE AND SINCLAIR RESERVOIR.

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.

LOCATION.—Lat 32°29'05", long 82°51'45", Laurens County, Hydrologic Unit 03070102, at Interstate Highway 16, 4.0 mi upstream from Pughes Creek, 4.5 mi southeast of Dublin, and at mile 69.9.

DRAINAGE AREA.—4,400 mi^2, approximately.

PERIOD OF RECORD.—October 1973 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.) Discharge obtained from gaging station 02223500, Oconee River at Dublin, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
11...	0730	677	110	120	7.2	7.0	21.0	19.5	6.9	78
NOV										
08...	0800	1230	106	95	6.7	7.2	16.0	15.0	8.2	83
DEC										
13...	0600	20700	--	61	6.9	7.0	12.0	8.5	7.9	73
JAN										
10...	0930	4450	76	68	7.2	6.9	8.0	14.0	9.0	76
FEB										
14...	1040	5610	55	66	7.0	7.2	11.5	15.5	10.1	93
MAR										
13...	0900	7820	59	61	6.8	7.0	11.5	14.5	9.6	89
APR										
10...	1145	7530	60	62	6.9	6.9	15.0	10.0	8.5	86
MAY										
09...	0830	16500	65	57	6.6	7.2	20.0	18.0	6.4	70
JUN										
12...	0845	1970	92	89	7.1	7.1	25.0	29.0	6.7	81
JUL										
17...	1030	2180	87	88	7.1	7.2	28.0	31.5	5.8	74
AUG										
14...	0730	3050	84	78	7.3	7.2	26.0	25.5	6.2	76
SEP										
11...	0800	955	—	102	7.1	7.3	24.5	26.0	7.0	84

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
11...	10	6.0	7	1.0	4100	26	5	.15	.430	1.3	.090	2.7
NOV												
08...	5	8.0	10	1.3	—	23	16	.15	.350	.50	.110	2.8
DEC												
13...	50	16	16	1.5	490	17	12	.06	.050	.10	.080	8.2
JAN												
10...	110	33	14	1.1	790	18	20	.38	.150	.40	.050	5.6
FEB												
14...	80	40	10	1.4	790	14	19	.30	.100	.30	.060	5.6
MAR												
13...	80	27	6	1.5	1100	15	17	.26	.060	.40	.060	4.1
APR												
10...	100	28	7	1.7	2200	16	21	.23	.070	.40	.050	7.0
MAY												
09...	95	25	15	1.6	110	17	19	.26	.060	.40	.060	4.5
JUN												
12...	60	24	12	1.0	490	21	25	.34	.070	.40	.080	3.1
JUL												
17...	50	19	—	.7	330	19	29	.18	.040	—	.090	3.9
AUG												
14...	—	29	--	.9	—	24	—	.22	.060	--	.100	4.5
SEP												
11...	20	5.0	—	1.4	490	24	18	.19	.100	--	.070	2.8

02224000 ROCKY CREEK NEAR DUDLEY, GA.

LOCATION.--Lat 32°29'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, on downstream side of highway bridge, 3.2 mi upstream from Buckhorn Branch, and 5 mi southwest of Dudley.
DRAINAGE AREA.--62.9 mi².
PERIOD OF RECORD.--November 1970 to current year. Water-discharge records for water years 1952-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
MAR 20...	0930	60	55	59	6.9	7.2	18.0	8.0	86
JUL 10...	0830	20	60	60	6.8	6.8	24.5	6.3	76

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR 20...	60	9.0	20	5	6.0	1.1	2.7	22	.3	1.0	15	3.7
JUL 10...	80	21	23	5	7.3	1.2	2.3	17	.2	1.2	[illegible]	5.5

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
MAR 20...	1.4	6.9	<.10	5.7	57	35	9.2	.08	.40	.42	.010	<.010
JUL 10...	2.9	5.3	<.10	7.7	60	40	3.2	.08	.40	.29	.160	.130

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
MAR 20...	.39	--	.40	.20	.80	.62	.060	.020	5.9	40	3	1
JUL 10...	.54	.67	.70	.80	1.1	--	.070	.040	7.0	130	2	1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
MAR 20...	<1	<10	2	610	9	6	34	.2	.2	<1	17
JUL 10...	<1	10	2	510	3	1	75	<.1	<.1	<1	15

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.

LOCATION.--Lat 31°56'20", long 82°21'13", Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 ft downstream from bridge on U.S. Highway 1, 2.2 mi upstream from Bay Creek, 8 mi downstream from Bullards Creek, and 12 mi north of Baxley.

DRAINAGE AREA.--11,600 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1949 to June 1951, October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.51 ft, National Geodetic Vertical Datum of 1929. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft upstream at same datum.

REMARKS.--Records good except for period Dec. 9-13, Jan. 2, 3 and Apr. 25-29, which are fair.

AVERAGE DISCHARGE.--15 years (1950, 1971-84), 12,140 ft^3/s, 14.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,500 ft^3/s Mar. 12, 1971, gage height, 22.7 ft; minimum daily, 1,680 ft^3/s Oct. 25, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 10, 1948, reached a stage of 25.1 ft, from floodmark, discharge, 130,000 ft^3/s. Flood of January 1925 reached a stage of 30.0 ft, from information furnished by Georgia Department of Transportation.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 18	1700	42500	17.18	Apr. 7	1300	31800	15.52
Jan. 29	2000	43300	17.29	May 6	1500	31600	15.49
Mar. 9	0400	*47600	17.87	Aug. 12	2300	38400	16.58

Minimum daily discharge, 2,260 ft^3/s Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3630	2630	11900	18900	40200	26400	25200	21800	13400	4510	10700	5050
2	3200	2550	12700	19100	38800	26200	26000	21400	14300	4590	11900	4910
3	2940	2530	13400	19500	36800	26000	26900	21200	15100	4560	13100	4860
4	2810	2720	14100	19900	34100	26300	28000	23900	15700	4700	14400	4940
5	2740	3050	14600	20200	30400	27500	29400	29200	16000	4890	15900	5080
6	2700	3110	15000	20100	26800	31400	30900	31400	15300	5120	17400	5140
7	2630	3080	15300	19300	23800	40200	31600	31200	13800	5560	19500	4720
8	2530	3100	16000	18100	21700	46200	30800	29700	12200	5680	22200	4250
9	2440	3060	17900	17100	20200	47400	29400	28500	10900	5780	25500	3970
10	2390	2970	19400	16700	19000	46400	28900	27600	9990	5890	29600	3970
11	2350	2940	21000	16600	17900	44500	29500	26700	8760	5820	34200	3920
12	2320	2890	23300	16500	17000	2400	29100	26500	7280	5690	37500	3750
13	2300	2970	28000	16400	16200	40800	27600	26800	6560	5590	37800	3510
14	2270	3070	30100	16200	16200	39100	25700	26500	6240	5430	33800	3330
15	2260	2970	35400	16200	16900	36800	24300	24300	5910	5130	28000	3250
16	2270	2820	39400	16400	17200	33700	23700	21300	5430	5110	23800	3270
17	2420	2660	41700	16900	17300	30100	23400	19600	5190	5180	20500	3260
18	2840	2670	42400	17800	17400	27300	23100	18400	5040	5080	17200	3170
19	2910	3530	41800	19300	17900	25100	22200	16900	4680	5230	13600	3130
20	3120	4440	40400	20600	18700	23300	20200	15100	4370	5650	10400	3020
21	3410	5130	38400	21700	19700	22200	18200	13100	4420	6320	8740	2950
22	3340	5720	35500	21900	20800	21600	17300	10900	4620	7490	8070	2880
23	3240	5970	31700	21700	22000	21300	18200	8830	4670	8310	7840	2830
24	3050	6390	28200	22700	22600	20800	19700	7440	4730	8650	7680	2810
25	2830	6910	25900	25100	22300	20400	21200	7230	4690	8450	7270	2780
26	2680	7600	24400	29200	21900	20200	21900	7390	4490	8240	6990	2720
27	2590	8700	23000	34800	22500	20400	22300	7200	4410	8060	6670	2630
28	2580	9640	21300	40400	24000	21200	22600	7330	4560	7910	6450	2550
29	2620	10300	19700	42800	25800	21900	22300	7820	4610	7960	6240	2610
30	2610	11000	18700	42800	---	23000	21700	10500	4560	8440	5790	2660
31	2640	---	18800	41600	---	24100	---	12300	---	9520	5300	---
TOTAL	84660	137120	779400	706500	666100	924200	741300	588040	241910	194540	514040	107920
MEAN	2731	4571	25140	22790	22970	29810	24710	18970	8064	6275	16580	3597
MAX	3630	11000	42400	42800	40200	47400	31600	31400	16000	9520	37800	5140
MIN	2260	2530	11900	16200	16200	20200	17300	7200	4370	4510	5300	2550
CFSM	.24	.39	2.17	1.97	1.98	2.57	2.13	1.64	.70	.54	1.43	.31
IN.	.27	.44	2.50	2.27	2.14	2.96	2.38	1.89	.78	.62	1.65	.35

CAL YR 1983 TOTAL 5428580 MEAN 14870 MAX 57300 MIN 2250 CFSM 1.28 IN 17.41
WTR YR 1984 TOTAL 5685730 MEAN 15530 MAX 47400 MIN 2260 CFSM 1.34 IN 18.23

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 1970 to current year.

PERIOD OF DAILY RECORD.—

CHLORIDE: May 1970 to August 1975.
SPECIFIC CONDUCTANCE: June 1971 to September 1976.
pH: October 1971 to September 1976.
WATER TEMPERATURES: December 1970 to September 1976.
DISSOLVED OXYGEN: May 1971 to September 1976.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—

CHLORIDE: Maximum recorded, 19 mg/L Oct. 10, 1974; minimum recorded, 0.0 mg/L Dec. 26-28, 1972, June 2, 3, 1973.
SPECIFIC CONDUCTANCE: Maximum recorded, 157 micromhos Oct. 9, 1972; minimum recorded, 24 micromhos Feb. 28, March 1, 1974.
pH: Maximum recorded, 8.0 units May 14, 1972; minimum recorded, 5.1 units Dec. 28, 1971.
WATER TEMPERATURES: Maximum, 32.0°C July 24, Aug. 5, 1972; minimum, 5.5°C Jan. 11, 19, 20, 1976.
DISSOLVED OXYGEN: Maximum recorded, 11.7 mg/L Jan. 17, 18, 1973; minimum recorded, 4.7 mg/L Aug. 21, 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
12...	1045	2320	133	130	7.5	7.4	22.5	24.5	7.4	86
NOV										
01...	1445	2620	135	137	7.7	7.6	18.5	24.5	8.3	88
DEC										
15...	1740	36400	60	58	6.7	6.7	12.5	10.5	8.5	80
JAN										
11...	0840	16600	67	66	7.0	6.9	8.0	7.0	10.8	92
FEB										
15...	0825	16800	65	67	6.9	6.9	12.0	10.0	9.6	89
MAR										
07...	1600	42100	48	46	6.7	7.0	13.5	16.0	8.2	79
APR										
04...	0840	27800	60	59	6.9	7.0	16.0	18.0	7.6	78
MAY										
09...	0730	28700	53	53	6.8	7.0	21.5	16.5	5.7	64
JUN										
06...	0900	15500	68	69	6.9	7.1	23.5	27.0	6.8	79
JUL										
11...	1130	5800	95	94	7.3	7.5	30.0	35.0	6.4	85
AUG										
08...	0925	21800	63	63	—	7.1	26.5	31.0	5.9	73
SEP										
12...	0730	3780	118	119	7.4	7.6	26.0	24.0	7.0	86

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
12...	10	8.0	1.6	20	41	.13	.080	.030	2.9
NOV									
01...	20	6.0	.4	<20	39	.54	.050	.100	2.9
DEC									
15...	100	20	1.6	170	14	<.02	<.020	.080	10
JAN									
11...	90	25	1.5	50	18	.32	.060	.040	6.1
FEB									
15...	65	22	1.7	40	16	.29	.050	.040	6.6
MAR									
07...	100	25	1.4	230	13	.16	.070	.070	7.4
APR									
04...	110	20	1.8	110	18	.18	.060	.050	7.7
MAY									
09...	110	21	1.5	80	16	.22	.030	.060	7.2
JUN									
06...	110	35	1.8	80	20	.27	.020	.060	5.8
JUL									
11...	45	19	1.1	40	28	.44	.040	.090	2.5
AUG									
08...	110	24	.5	20	18	.07	.020	.080	7.6
SEP									
12...	25	10	1.0	<20	38	.43	.020	.050	2.4

02225470 PENDLETON CREEK NEAR OHOOPEE, GA.

LOCATION.—Lat 32°09'36", long 82°12'43", Toombs County, Hydrologic Unit 03070107, at bridge on State Route 86, 1.5 mi south of Ohoopee, and 1.6 mi upstream of Ohoopee River.
DRAINAGE AREA.—300 mi^2.
PERIOD OF RECORD.—July 1979 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 11...	1520	2.0	71	69	6.3	6.5	21.0	21.0	6.2	70
NOV 01...	1330	3.7	43	45	6.5	6.3	16.0	25.0	6.8	68
DEC 13...	1600	143	92	90	6.5	6.5	12.5	11.0	8.8	83
JAN 10...	1710	280	57	55	5.5	5.6	7.0	19.0	10.2	85
FEB 14...	1645	500	46	47	5.8	5.9	14.0	21.0	8.1	79
MAR 07...	1420	1700	30	29	5.5	5.5	15.0	17.0	7.2	71
APR 04...	0720	560	34	34	5.7	5.8	15.5	16.0	8.0	81
MAY 08...	1530	1200	30	28	5.5	5.4	23.5	30.0	5.2	62
JUN 05...	1445	90	35	35	5.7	5.9	22.5	34.5	6.5	75
JUL 10...	1415	17	52	52	6.3	6.4	27.0	35.0	6.0	76
AUG 07...	1505	420	42	42	5.0	5.4	26.5	34.0	5.9	74
SEP 11...	1525	5.7	42	41	5.9	6.3	24.5	30.0	7.6	91

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	30	1.0	1.0	80	12	.04	.030	<.020	6.3
NOV 01...	30	1.0	1.2	20	8.0	.01	.050	.070	5.3
DEC 13...	100	5.0	1.8	4900	10	.14	.050	.220	20
JAN 10...	40	2.0	1.4	490	4.0	.05	.040	.040	13
FEB 14...	70	5.0	1.9	1300	5.0	.07	.040	.080	13
MAR 07...	110	17	1.6	4900	4.0	.08	.030	.070	13
APR 04...	110	4.0	1.7	360	6.0	.05	.030	.050	16
MAY 08...	180	8.0	1.0	80	4.0	.03	.040	.080	17
JUN 05...	110	6.0	.6	230	5.0	.11	.040	.060	14
JUL 10...	95	3.0	.9	70	8.0	.14	.030	.070	8.7
AUG 07...	140	6.0	1.9	80	5.0	.02	.040	.060	19
SEP 11...	65	2.0	.8	130	8.0	.09	.030	.170	7.8

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.--Lat 32°04'42", long 82°10'39", Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center of span of bridge on State Highway 56, 0.5 mi downstream from Brazells Creek, 1.5 mi downstream from Rocky Creek, 3.5 mi west of Reidsville, 6 mi downstream from Pendleton Creek, and 14 mi upstream from mouth.
DRAINAGE AREA.--1,110 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1903 to December 1907, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.
REVISED RECORDS.--WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905.
GAGE.--Water-stage recorder. Datum of gage is 73.8 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Feb. 15, 1941, nonrecording gage at same site, at different datum June 13, 1903, to Dec. 31, 1907, and at same datum May 25, 1937, to Feb. 15, 1941.
REMARKS.--Records good.
AVERAGE DISCHARGE.--51 years, 995 ft^3/s, 12.17 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,400 ft^3/s Mar. 6, 1966, gage height, 23.34 ft; minimum daily, 19 ft^3/s Sept. 12, 13, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.4 ft in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 29	0800	5150	13.94	May 5	1000	*8860	16.97
Mar. 7	2300	7920	16.32				

Minimum discharge, 25 ft^3/s Nov. 7.
REVISIONS.--Incorrect daily discharges for June 16 to August 13, 1983, were published in the report for water year 1983. The corrected daily figures for June 16 to August, 1983, monthly figures for June, July, August, 1983, and yearly figures for the 1983 water year are contained within the 1983 water year table published below.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	41	87	802	3440	3590	4220	1990	145	324	44	44
2	62	41	87	1080	3470	3620	4040	1740	137	379	56	43
3	60	41	86	1530	3820	3570	3740	1500	131	301	55	46
4	58	47	85	1960	4260	3520	3440	1310	124	229	54	51
5	57	55	85	2250	4140	3560	3130	1180	119	187	52	51
6	56	75	92	2520	3920	3750	2850	1090	118	158	52	49
7	55	76	94	2800	3860	4330	2600	1020	129	134	51	46
8	54	74	95	2900	3650	5130	2400	952	174	118	50	45
9	53	72	94	2860	3400	6730	2300	884	361	106	48	45
10	52	68	92	2780	3200	8930	2300	810	574	96	56	44
11	60	65	93	2580	3000	8390	2350	742	760	89	66	43
12	70	62	141	2300	2800	6560	2490	677	850	83	64	42
13	68	61	271	1980	2700	4980	2710	608	665	78	62	42
14	63	58	314	1710	3600	4040	3140	542	467	74	60	43
15	57	57	330	1510	5200	3420	3730	478	357	70	56	42
16	57	56	366	1390	6700	3050	4080	426	271	66	54	42
17	56	56	397	1330	7800	3120	3970	393	206	62	51	42
18	52	57	424	1260	8070	3800	3570	408	174	61	49	44
19	50	58	434	1180	7870	4840	3290	431	154	59	47	58
20	49	59	444	1100	7030	5500	3010	390	141	57	46	65
21	50	64	426	1160	5880	5760	2680	348	128	56	45	64
22	50	78	388	1780	4790	5550	2390	319	121	55	45	63
23	48	89	363	2360	4080	4960	2630	294	116	53	43	62
24	46	92	344	2710	3660	4340	3370	272	113	52	43	62
25	45	90	326	3000	3590	3910	3630	255	108	50	41	61
26	45	92	306	3210	4150	3550	3340	236	107	49	42	59
27	45	92	288	3220	4080	3480	3080	210	104	48	42	55
28	44	89	272	3370	3680	3750	2860	192	102	47	42	51
29	43	89	275	3580	—	4040	2580	178	127	47	41	47
30	42	87	361	3610	—	4090	2280	166	176	45	41	45
31	42	—	603	3510	—	4220	—	155	—	44	43	—
TOTAL	1653	2041	8063	69312	125840	142060	92200	20196	7259	3277	1541	1496
MEAN	53.3	68.0	260	2236	4494	4583	3073	651	242	106	49.7	49.9
MAX	70	92	603	3610	8070	8930	4220	1990	850	379	66	65
MIN	42	41	85	802	2700	3050	2280	155	102	44	41	42
CFSM	.05	.06	.23	2.01	4.05	4.13	2.77	.59	.22	.10	.05	.05
IN.	.06	.07	.27	2.32	4.22	4.76	3.09	.68	.24	.11	.05	.05

CAL YR 1982 TOTAL 335583 MEAN 919 MAX 4690 MIN 41 CFSM .83 IN 11.25
WTR YR 1983 TOTAL 474938 MEAN 1301 MAX 8930 MIN 41 CFSM 1.17 IN 15.92

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.—Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	31	310	2170	4400	4230	3520	3170	820	147	900	102
2	40	29	329	2220	4020	4590	3300	3330	763	142	1200	94
3	38	29	349	2270	3510	4620	3020	3120	747	147	1470	88
4	36	28	374	2210	3050	4500	2810	5170	760	140	1680	82
5	34	27	380	2030	2670	4160	2740	8570	819	134	1780	83
6	33	26	396	1840	2390	4480	3000	7590	754	123	1720	80
7	31	26	416	1670	2150	7140	3350	5320	582	138	1680	75
8	31	30	464	1510	1960	7440	3470	3690	413	150	1580	71
9	30	31	483	1370	1820	6550	3530	3170	326	153	1290	67
10	30	31	512	1260	1700	6000	3580	3050	275	138	1010	65
11	29	31	648	1200	1580	5290	3650	2610	248	123	786	62
12	29	28	934	1150	1480	4520	3540	2120	246	118	594	60
13	30	28	1260	1120	1440	3950	3260	1730	231	143	438	58
14	31	28	1450	1100	1480	3680	2910	1410	236	151	347	56
15	30	29	1530	1100	1800	3520	2580	1190	217	130	290	53
16	32	30	1570	1120	2700	3240	2320	1020	194	124	248	52
17	32	29	1660	1130	3320	2970	2090	869	177	153	221	54
18	31	29	1760	1170	3040	2720	1880	743	158	148	203	51
19	29	30	1780	1290	2610	2500	1680	650	144	162	190	50
20	28	34	1710	1440	2320	2360	1480	569	132	275	174	49
21	28	37	1630	1490	2110	2440	1330	497	123	296	160	49
22	27	37	1550	1510	1970	2590	1310	437	120	308	148	48
23	30	43	1450	1560	1900	2680	1660	472	122	301	155	47
24	33	60	1380	1760	1820	2780	2160	709	138	235	153	45
25	33	98	1330	2310	1780	2900	2440	693	149	187	146	44
26	31	144	1290	2960	1790	2840	2740	654	143	157	142	43
27	31	167	1270	3780	2020	2900	2830	591	151	161	141	41
28	30	199	1280	4720	2640	3050	2370	548	138	155	136	43
29	31	244	1470	5100	3460	3410	1930	598	130	179	126	68
30	31	284	1760	4880	—	3620	2050	971	148	290	116	83
31	32	—	2030	4640	—	3550	—	945	—	520	108	---
TOTAL	983	1897	34755	65080	68930	121220	78540	66206	9604	5728	19332	1863
MEAN	31.7	63.2	1121	2099	2377	3910	2618	2136	320	185	624	62.1
MAX	42	284	2030	5100	4400	7440	3660	8570	820	520	1780	102
MIN	27	26	310	1100	1440	2360	1310	437	120	118	108	41
CFSM	.03	.06	1.01	1.89	2.14	3.52	2.36	1.92	.29	.17	.56	.06
IN.	.03	.06	1.16	2.18	2.31	4.06	2.63	2.22	.32	.19	.65	.06

CAL YR 1983 TOTAL 500816 MEAN 1372 MAX 8930 MIN 26 CFSM 1.24 IN 16.78
WTR YR 1984 TOTAL 474138 MEAN 1295 MAX 8570 MIN 26 CFSM 1.17 IN 15.89

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1958 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
28...	1140	30	17.5	3	.24
DEC					
07...	1030	417	14.0	11	12
FEB					
01...	2220	4250	9.0	8	92
MAR					
02...	1145	4590	—	8	99
APR					
12...	1610	3500	15.5	5	47
MAY					
23...	1430	465	2[illegible].5	6	7.5
JUL					
10...	1900	133	29.0	1	.36
AUG					
16...	1310	252	28.0	5	3.4

02225990 ALTAMAHA RIVER NEAR JESUP, GA.

LOCATION.--Lat 31°39'39", long 81°50'19", Wayne-Long County line, Hydrologic Unit 03070106, at bridge on U.S. Highways 25, 82, and 301, 5 mi northeast of Jesup.

DRAINAGE AREA.--13,600 mi^2, approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 19...	1130	2710	120	130	7.7	7.6	23.0	24.0	8.0	93
NOV 06...	1320	2920	131	127	7.8	7.7	18.5	20.0	8.6	91
DEC 12...	1220	19400	68	--	6.9	--	13.0	21.0	7.8	74
JAN 11...	1130	22000	63	63	7.0	7.1	8.5	7.0	9.9	85
FEB 02...	1315	32400	48	44	6.7	--	10.0	14.5	9.7	85
MAR 21...	1345	31900	54	57	6.6	7.0	17.5	18.0	7.7	82
APR 17...	1250	30000	60	58	6.7	7.0	18.0	17.0	7.6	81
MAY 16...	1130	30000	63	63	7.2	7.3	22.0	22.0	6.4	73
JUN 06...	1115	16800	65	67	7.1	7.1	24.0	28.0	6.1	72
JUL 11...	1200	6050	86	93	7.1	7.4	30.0	30.0	6.7	89
AUG 29...	1100	7140	90	95	7.5	7.6	27.5	26.0	6.5	83
SEP 25...	1130	3180	128	124	7.7	7.2	26.0	28.5	7.8	95

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 19...	15	15	.5	20	40	12	.23	.060	.060	3.0	.50
NOV 06...	5	8.0	1.2	--	36	10	.53	.100	.040	3.0	<.50
DEC 12...	--	--	--	--	--	--	--	--	--	--	--
JAN 11...	65	20	1.6	20	14	5	.20	.090	.030	7.5	.70
FEB 02...	120	20	1.1	35	20	2	.11	.050	.040	8.8	1.1
MAR 21...	70	15	1.2	<20	15	8	.14	.050	.220	8.8	1.2
APR 17...	90	16	.9	50	18	6	.18	.030	<.020	6.0	1.2
MAY 16...	100	20	1.2	20	18	6	.29	.020	.070	10	.80
JUN 06...	90	35	1.2	70	18	12	.25	.050	.060	7.7	.80
JUL 11...	45	21	.8	--	27	19	.40	.030	.100	5.1	<.50
AUG 29...	50	17	1.2	<20	32	23	.36	.060	.220	5.0	<.50
SEP 25...	15	7.0	.8	20	42	<1	.38	.060	.060	2.7	<.50

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.

LOCATION.--Lat 31°39'16", long 81°49'41", Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60 ft downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.--13,600 mi², approximately.

PERIOD OF RECORD.--October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.43 ft, National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1934, nonrecording gage, and Sept. 5, 1934, to Sept. 30, 1975, water-stage recorder at same site at datum 4.0 ft higher.

REMARKS.--Records good. Records of chemical analyses for the water years 1967-77 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--53 years, 13,860 ft³/s, 13.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s Apr. 18, 1936, gage height, 16.03 ft, present datum; minimum, 1,430 ft³/s Oct. 27, 28, Nov. 1, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1800, 13.6 ft, present datum, Jan. 23, 1925, discharge, 300,000 ft³/s, from rating curve extended above 180,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 30,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 21	1000	48200	12.25	Apr. 9	1600	37600	11.57
Jan. 31	1200	55700	12.65	May 8	0700	43200	11.95
Mar. 11	0200	*62400	12.97	Aug. 15	0800	39000	11.67

Minimum discharge, 2,350 ft³/s Oct. 16-18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4080	2660	10200	24900	54600	30000	28700	27500	13300	5050	9860	6060
2	3800	2660	11000	24200	52500	32200	29700	27000	14700	5000	11000	5670
3	3480	2620	11700	24000	50200	34000	30800	26900	15300	5050	12300	5440
4	3180	2590	12500	24000	48000	34400	31900	27100	16000	5040	13400	5320
5	3000	2680	13300	24100	45200	34500	32500	27600	16400	5070	14600	5400
6	2900	2910	14300	24300	42000	37400	33200	31600	16900	5210	15800	5480
7	2830	3060	15100	24500	38500	41100	34100	39800	17200	5320	17100	5540
8	2750	3160	15700	24400	34900	46600	35500	43000	17100	5640	18500	5370
9	2670	3160	16200	24000	31400	56400	37100	41400	16200	5910	20200	4930
10	2590	3110	16900	23100	28600	61600	37300	38200	14700	6000	22300	4550
11	2510	3030	17800	22000	26400	61400	36500	35800	13100	6050	25100	4400
12	2490	2980	19300	20900	24500	58900	35700	34400	11600	6050	28600	4310
13	2460	2920	20800	20200	23200	55500	35500	32900	9740	6040	32800	4170
14	2420	2940	22700	19800	22100	52100	35200	31500	8500	5940	36900	4000
15	2380	3030	25800	19500	21000	49000	34000	30600	7870	5810	38800	3830
16	2360	3040	29800	19400	20400	46200	32000	29800	7260	5620	37400	3710
17	2350	2900	35100	19300	20500	43600	30100	28400	6610	5440	34100	3640
18	2420	2770	41300	19500	21300	40600	28700	26000	6100	5470	30200	3650
19	2700	2770	46000	20300	22200	37300	27700	23700	5770	5580	26500	3600
20	2900	3290	47700	21200	22700	34300	27000	21800	5450	5590	23300	3560
21	3020	4200	47900	22400	22900	32100	26100	20100	5110	5900	19300	3470
22	3240	4850	46800	23700	23100	30000	24600	18300	5270	6470	15100	3380
23	3340	5400	44700	25100	23800	28600	23700	16200	5600	7230	11800	3290
24	3340	5780	42000	26400	24600	27700	23200	13600	5650	8070	9810	3230
25	3200	6240	38700	27600	25600	27200	23600	10900	5630	8610	8980	3180
26	2980	6610	35400	29100	26300	26600	25000	9040	5510	8770	8490	3140
27	2810	7030	32500	34500	27300	26400	26500	8670	5320	8700	7990	3090
28	2690	7800	30600	41500	27900	26600	27500	8730	5110	8590	7520	3110
29	2640	8570	30000	48000	28500	26600	27900	9300	5080	8490	7140	3540
30	2660	9330	28500	53200	---	26800	28000	10600	5110	8720	6900	3750
31	2650	---	26600	55300	---	27600	---	11900	---	9120	6570	---
TOTAL	88840	124090	846800	830600	880200	1193300	909300	762140	293390	199550	578360	125810
MEAN	2866	4136	27320	26790	30350	38490	30310	24590	9780	6437	18660	4194
MAX	4080	9330	47900	55300	54600	61600	37300	43000	17200	9120	38800	6060
MIN	2350	2590	10200	19300	20400	26400	23200	8670	5080	5000	6570	3090
CFSM	.21	.30	2.01	1.97	2.23	2.83	2.23	1.81	.72	.47	1.37	.31
IN.	.24	.34	2.32	2.27	2.41	3.26	2.49	2.08	.80	.55	1.58	.34

CAL YR 1983 TOTAL 6764700 MEAN 18530 MAX 69100 MIN 2350 CFSM 1.36 IN 18.50
WTR YR 1984 TOTAL 6832180 MEAN 18670 MAX 61600 MIN 2350 CFSM 1.37 IN 18.69

02226010 ALTAMAHA RIVER NEAR GARDI, GA.

LOCATION.--Lat 31°37'24", long 81°45'55", Wayne-Long County line, Hydrologic Unit 03070106, 6 mi northeast of Gardi, 7 mi downstream from Doctortown, and 9 mi upstream from Penholoway Creek.

DRAINAGE AREA.--13,600 mi^2, approximately.

PERIOD OF RECORD.--November 1976 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 19...	1100	2620	195	220	7.6	7.6	23.0	23.5	7.1	83
NOV 06...	1235	2870	218	208	7.6	7.6	18.5	22.0	7.9	84
DEC 12...	1135	19000	83	—	6.6	—	19.0	13.5	7.6	82
JAN 11...	1100	22300	70	72	7.0	7.0	8.5	7.0	9.9	85
FEB 02...	1230	53200	50	47	6.6	6.7	10.0	14.5	9.5	83
MAR 21...	1315	32000	63	66	6.7	7.2	17.5	18.0	7.5	79
APR 17...	1215	30400	67	65	6.9	7.0	18.0	17.0	7.6	81
MAY 16...	1045	30200	70	70	7.0	7.1	22.0	22.0	6.4	74
JUN 06...	1045	16700	70	81	7.0	7.2	24.0	28.0	5.9	70
JUL 11...	1130	6090	120	122	7.1	7.5	29.0	30.0	6.2	81
AUG 29...	1030	7260	125	132	7.5	7.6	27.5	26.0	6.2	79
SEP 25...	1100	3190	220	212	7.4	7.7	26.0	26.0	7.3	89

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 19...	55	10	—	1.2	50	48	10
NOV 06...	40	8.0	—	1.4	—	42	14
DEC 12...	—	—	—	—	—	—	—
JAN 11...	70	20	—	1.4	20	15	6
FEB 02...	120	20	—	1.6	<20	12	4
MAR 21...	90	15	—	2.0	<20	16	6
APR 17...	100	16	—	.7	20	18	6
MAY 16...	110	20	—	1.8	20	20	6
JUN 06...	110	32	—	1.3	120	20	16
JUL 11...	55	21	15	1.0	—	30	22
AUG 29...	80	16	19	1.2	<20	35	20
SEP 25...	70	9.0	21	1.7	<20	50	2

02226010 ALTAMAHA RIVER NEAR GARDI, GA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT						
19...	.18	.100	—	.090	5.4	4.3
NOV						
06...	.52	.090	—	.060	6.4	2.4
DEC						
12...	—	—	—	—	—	—
JAN						
11...	.26	.060	—	.030	8.2	.90
FEB						
02...	.10	.060	—	.040	9.6	1.2
MAR						
21...	.12	.020	—	.060	11	1.4
APR						
17...	.20	.040	—	<.020	5.9	1.4
MAY						
16...	.27	.030	—	.060	9.4	1.0
JUN						
06...	.25	.060	—	.060	8.2	1.0
JUL						
11...	.37	.060	.30	.100	5.2	.90
AUG						
29...	.34	.040	.20	.100	6.6	1.1
SEP						
25...	.38	.080	.40	.090	6.1	1.7

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.

LOCATION.—Lat 31°34'00", long 81°50'18", Wayne County, Hydrologic Unit 03070106, on downstream side of bridge on U.S. Highway 341, 4 mi southeast of Jesup, and about 9.5 mi upstream from mouth.
DRAINAGE AREA.—210 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1958 to current year.
GAGE.—Water-stage recorder. Datum of gage is 19.09 ft, National Geodetic Vertical Datum of 1929. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi downstream.
REMARKS.—Records good except those below 20 ft³/s, which are fair.
AVERAGE DISCHARGE.—26 years, 203 ft³/s, 13.13 in/yr.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 4,420 ft³/s Sept. 30, 1979, gage height, 14.96 ft; no flow at times most years.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 28	2100	2330	12.78	Mar. 8	0400	*3840	14.38

Minimum daily discharge, no flow on several days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	3.5	128	851	1310	969	936	20	6.4	28	144	15
2	1.0	2.8	124	776	1060	925	920	16	8.4	34	138	7.7
3	.53	2.1	122	660	874	783	837	12	12	35	119	3.8
4	.13	1.5	119	543	759	642	763	11	8.3	29	107	2.0
5	.07	3.2	115	467	699	541	729	7.4	3.8	21	84	18
6	.02	3.0	123	410	652	1480	709	6.5	1.8	18	55	23
7	.00	2.1	143	366	592	3460	643	9.5	1.4	16	28	17
8	.00	6.7	160	334	504	3800	541	10	.37	64	16	14
9	.00	15	180	304	428	3380	492	9.1	.25	21	7.8	9.4
10	.00	13	179	271	361	2800	510	8.0	.18	9.0	3.9	6.6
11	.00	9.7	176	237	312	2270	520	6.5	.15	4.4	2.1	4.6
12	.00	9.5	231	210	267	1840	510	4.5	.14	2.1	2.2	3.0
13	.05	15	283	189	236	1510	470	3.6	.44	1.1	2.5	1.7
14	.09	15	329	173	235	1210	409	3.0	.48	.61	3.8	.90
15	.10	13	365	161	251	974	348	2.4	1.4	1.9	5.4	.54
16	.07	13	385	151	261	785	294	2.4	.42	1.2	6.2	.28
17	.19	12	392	142	249	637	236	2.2	.08	.58	5.5	.16
18	.00	11	385	138	229	516	191	1.6	.19	.43	5.2	.12
19	.00	10	398	160	205	429	156	1.4	.97	.61	3.8	.09
20	.00	18	422	185	182	361	129	1.0	.21	1.1	5.9	.07
21	.00	42	408	202	160	319	107	.71	.00	1.3	18	.06
22	.01	50	420	204	146	268	88	.32	.03	1.1	20	.05
23	.70	53	429	192	164	220	84	.12	2.1	1.1	23	.04
24	.98	58	408	194	174	184	96	.12	11	1.0	26	.03
25	.87	90	367	281	182	152	79	.15	11	.49	34	.02
26	.63	109	329	342	179	127	66	.10	14	.16	48	.00
27	.52	122	288	1190	241	138	59	.27	26	.93	61	.00
28	.27	130	255	2250	588	323	51	4.9	52	.43	74	1.0
29	1.7	135	333	2280	859	590	37	17	36	7.0	59	26
30	3.8	133	584	1990	—	830	26	25	27	44	41	56
31	3.9	—	802	1620	—	930	—	13	—	124	25	—
TOTAL	17.33	1104.1	9382	17473	12359	33393	11036	199.79	226.51	470.54	1174.3	211.16
MEAN	.56	36.7	303	564	426	1077	368	6.44	7.55	15.2	37.9	7.04
MAX	3.9	135	802	2280	1310	3800	936	25	52	124	144	56
MIN	.00	1.5	115	138	146	127	26	.10	.00	.16	2.1	.00
CFSM	.003	.18	1.44	2.69	2.03	5.13	1.75	.03	.04	.07	.18	.03
IN.	.00	.20	1.66	3.10	2.19	5.92	1.95	.04	.04	.08	.21	.04

CAL YR 1983 TOTAL 102295.06 MEAN 280 MAX 1930 MIN .00 CFSM 1.33 IN 18.12
WTR YR 1984 TOTAL 87043.73 MEAN 238 MAX 3800 MIN .00 CFSM 1.13 IN 15.42

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 1972 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
MAR 21...	1200	319	45	47	4.0	4.0	16.0	6.5	67
JUL 11...	1000	4.6	58	62	4.1	4.0	25.0	3.6	44

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
MAR 21...	320	6.0	4	.85	.42	2.4	55	.5	.30	<1.0	1.1
JUL 11...	300	2.2	5	1.1	.62	3.5	54	.7	1.0	<1.0	14

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
MAR 21...	6.7	<.10	4.3	48	41	.07	<.10	<.10	.020	.010	.78
JUL 11...	9.5	<.10	7.6	126	1.6	.17	<.10	<.10	.190	.170	.91

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM DISSOLVED (UG/L AS CD)
MAR 21...	.59	.80	.60	.030	<.010	28	470	1	<1	<1
JUL 11...	1.0	1.1	1.2	.020	.020	52	20	1	<1	<1

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)
MAR 21...	10	2	930	18	14	9	.1	.1	<1	14
JUL 11...	10	3	2000	5	7	13	<.1	<.1	<1	27

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
22...	1410	50	12.5	8	1.1
JAN					
04...	1755	525	5.5	8	11
FEB					
14...	1045	234	14.0	8	5.1
APR					
10...	1130	505	17.0	15	20
MAY					
01...	1345	21	24.5	20	1.1
22...	0855	.38	22.0	33	.03
JUN					
14...	1625	.45	22.0	18	.02
26...	0910	14	26.0	10	.38
AUG					
07...	0900	34	25.0	8	.73

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.

(National stream-quality accounting network station)
(Radiochemical program station)

LOCATION.--Lat 31°25'37", long 81°36'20", Glynn-McIntosh County line, Hydrologic Unit 03070106, at Seaboard Coast Line Railroad bridge, 3 mi northeast of Everett City, and 15 mi northwest of Brunswick.

DRAINAGE AREA.--14,000 mi^2, approximately.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to current year.
pH: November 1969 to current year.
WATER TEMPERATURES: October 1969 to current year.
DISSOLVED OXYGEN: April 1970 to current year.

REMARKS.--Prior to 1978, water-quality samples for the National stream-quality accounting network, Radiochemical program, and National Pesticide water monitoring program were collected at, and published for, the Altamaha River at Doctortown, Ga. (station number 02226000). Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 321 micromhos Oct. 7, 1981; minimum recorded, 32 micromhos Apr. 9, 1973.
pH: Maximum recorded, 8.9 units Oct. 21, 22, 1971; minimum recorded, 5.3 units Dec. 12, 1976.
WATER TEMPERATURE: Maximum recorded, 33.5°C July 16-18, 1981; minimum recorded, 3.0°C Jan. 10, 11, 1970, Jan. 20, 21, 1977
DISSOLVED OXYGEN: Maximum recorded, 12.3 mg/L Feb. 3, 10, 11, 1977; minimum recorded, 2.7 mg/L Oct. 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 230 micromhos Oct. 22; minimum, 37 micromhos Mar. 15.
pH: Maximum, 7.7 units Sept. 28; minimum, 6.2 units Mar. 8.
WATER TEMPERATURE: Maximum recorded, 31.0°C July 13; minimum, 5.0°C Dec. 27, Jan. 1, 2.
DISSOLVED OXYGEN: Maximum, 11.2 mg/L Jan. 2; minimum, 4.6 mg/L Aug. 8.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
19...	0800	2380	195	194	7.6	7.2	23.0	20.0	7.7	90
19...	0805	2380	192	192	7.6	7.5	23.0	20.0	7.7	90
NOV										
06...	1030	2670	220	214	7.6	7.6	19.0	19.0	7.6	81
DEC										
12...	1010	17500	86	83	6.7	6.9	14.0	23.0	7.7	75
JAN										
11...	0900	23200	70	77	6.8	6.9	9.0	8.0	9.4	82
11...	0905	23200	70	70	6.8	6.9	9.0	8.0	9.4	82
FEB										
02...	1000	54700	54	51	6.6	6.4	9.0	12.0	9.2	78
MAR										
21...	1000	34600	52	47	6.7	6.5	17.5	14.0	7.3	77
21...	1010	34600	52	53	6.7	7.0	17.5	14.0	7.3	77
APR										
17...	1015	32300	66	64	6.9	6.9	17.5	19.0	6.9	72
MAY										
16...	0840	30700	68	70	6.9	7.1	21.5	22.5	6.2	70
JUN										
06...	0300	16400	83	83	6.9	6.8	23.5	28.5	6.0	71
06...	0805	16400	83	86	6.9	7.2	23.5	28.5	6.0	71
JUL										
11...	0730	5990	130	133	7.1	7.1	29.0	27.0	5.5	72
11...	0735	5990	130	137	7.1	7.5	29.0	27.0	5.5	72
AUG										
29...	0800	7600	110	114	7.2	7.1	26.0	28.0	5.9	73
29...	0805	7600	110	120	7.2	7.6	26.0	28.0	5.9	73
SEP										
25...	0845	3240	210	204	7.5	7.7	25.5	26.0	7.6	92

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT								
19...	--	7.4	1.3	--	22	260	40	0
19...	50	9.0	1.3	80	--	--	--	--
NOV								
06...	55	7.0	1.1	--	--	--	--	--
DEC								
12...	110	16	1.8	330	--	--	--	--
JAN								
11...	--	17	--	--	41	400	18	3
11...	75	17	1.3	50	--	--	--	--
FEB								
02...	120	18	1.4	50	--	--	--	--
MAR								
21...	--	15	--	--	200	13	15	2
21...	90	16	2.3	20	--	--	--	--
APR								
17...	90	15	.7	80	--	--	--	--
MAY								
16...	110	20	2.4	<20	--	--	--	--
JUN								
06...	--	20	--	--	74	260	22	3
06...	110	21	1.3	230	--	--	--	--
JUL								
11...	--	20	--	--	30	29	28	0
11...	100	21	1.5	--	--	--	--	--
AUG								
29...	--	5.0	--	--	46	760	31	0
29...	95	16	1.1	40	--	--	--	--
SEP								
25...	60	9.0	1.9	20	--	--	--	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT								
19...	12	2.3	23	54	2	2.1	47	2.3
19...	--	--	--	--	--	--	44	2.1
NOV								
06...	--	--	--	--	--	--	43	2.1
DEC								
12...	--	--	--	--	--	--	16	6.2
JAN								
11...	5.0	1.3	6.7	42	.7	1.6	15	4.6
11...	--	--	--	--	--	--	16	4.9
FEB								
02...	--	--	--	--	--	--	10	4.9
MAR								
21...	4.3	1.0	3.6	32	.4	1.3	13	5.0
21...	--	--	--	--	--	--	15	5.8
APR								
17...	--	--	--	--	--	--	17	4.1
MAY								
16...	--	--	--	--	--	--	19	4.6
JUN								
06...	6.3	1.5	7.5	41	.7	1.6	19	4.6
06...	--	--	--	--	--	--	20	4.9
JUL								
11...	8.2	1.8	15	52	1	1.8	30	4.6
11...	--	--	--	--	--	--	31	4.8
AUG								
29...	9.1	1.9	11	42	.9	1.9	33	4.0
29...	--	--	--	--	--	--	32	3.9
SEP								
25...	--	--	--	--	--	--	47	2.9

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT								
19...	124	120	797	.17	23	17	.20	10
19...	--	--	--	--	--	18	--	--
NOV								
06...	--	--	--	--	--	10	--	--
DEC								
12...	--	--	--	--	--	11	--	--
JAN								
11...	60	53	3760	.08	12	7.1	<.10	10
11...	--	--	--	--	--	9.3	--	--
FEB								
02...	--	--	--	--	--	6.7	--	--
MAR								
21...	30	35	2800	.04	5.7	4.5	<.10	6.5
21...	--	--	--	--	--	3.0	--	--
APR								
17...	--	--	--	--	--	6.7	--	--
MAY								
16...	--	--	--	--	--	6.7	--	--
JUN								
06...	84	56	3720	.11	8.6	8.0	.10	10
06...	--	--	--	--	--	7.7	--	--
JUL								
11...	102	85	1650	.14	16	13	.10	11
11...	--	--	--	--	--	12	--	--
AUG								
29...	95	77	1950	.13	10	10	.10	12
29...	--	--	--	--	--	10	--	--
SEP								
25...	--	--	--	--	--	19	--	--

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
19...	--	.31	--	.070	.50	--	.040	.040	--
19...	.17	--	.060	--	--	.080	--	--	4.9
NOV									
06...	.57	--	.120	--	--	.040	--	--	5.8
DEC									
12...	<.02	--	.050	--	--	.080	--	--	12
JAN									
11...	--	.39	--	.060	.40	.040	.020	.020	--
11...	.17	--	.060	--	--	.030	--	--	9.4
FEB									
02...	.08	--	.060	--	--	.050	--	--	12
MAR									
21...	--	.10	--	<.010	.50	.050	.040	<.010	--
21...	.07	--	<.020	--	--	.060	--	--	11
APR									
17...	.16	--	.050	--	--	.040	--	--	7.1
MAY									
16...	.23	--	.030	--	--	.060	--	--	9.5
JUN									
06...	--	.29	--	.230	.60	.050	.030	.020	--
06...	.24	--	.050	--	--	.080	--	--	8.9
JUL									
11...	--	.37	--	.070	.70	.080	.040	.020	--
11...	.35	--	.070	--	--	.090	--	--	5.3
AUG									
29...	--	.27	--	.030	.40	.060	.020	.010	--
29...	.27	--	.030	--	--	.070	--	--	7.7
SEP									
25...	.43	--	.060	--	--	.080	--	--	5.6

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 19...	30	1	35	<.5	<1	<1	<3	2	120	2
JAN 11...	90	<1	41	<.5	1	<1	<3	2	340	3
JUN 06...	100	1	37	<.5	<1	1	<3	3	530	3
AUG 29...	70	1	38	1.0	<1	<1	<3	2	550	2

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 19...	<4	44	.1	<10	1	<1	<1	63	<6	14
JAN 11...	4	17	<.1	<10	1	<1	<1	25	<6	14
JUN 06...	6	35	<.1	<10	4	<1	2	35	<6	26
AUG 29...	<4	45	<.1	<10	2	<1	<1	48	<6	15

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	0810	2380	23.0	12	77	78
JAN 11...	0910	23200	9.0	15	940	68
MAR 21...	1015	34600	17.5	12	1120	87
JUN 06...	0810	16400	23.5	16	708	75
JUL 11...	0740	5990	29.0	19	307	91
AUG 29...	0810	7600	26.0	12	246	76

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
OCT 19...	0815	2380	<2.7	<.9	--	<.8	4.7	<.7	.12	.05
MAR 21...	1005	34600	<.9	<.6	2.3	<.7	2.0	<.6	.08	.07

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	167	130	202	196	---	---	65	62	59	52	70	65
2	161	155	211	200	---	---	68	64	57	52	72	63
3	162	158	221	209	118	117	69	64	56	52	68	61
4	176	162	224	219	117	111	73	66	55	51	65	59
5	184	176	224	221	112	106	74	69	57	53	62	57
6	193	184	224	221	107	102	74	68	---	---	56	45
7	197	192	225	215	104	102	73	68	---	---	45	40
8	200	195	214	205	105	99	73	68	---	---	48	41
9	209	190	206	198	102	95	74	69	---	---	50	44
10	193	190	199	192	96	91	73	69	---	---	51	45
11	192	187	195	192	92	87	74	72	---	---	51	44
12	189	179	199	195	88	84	75	73	---	---	50	44
13	189	175	200	197	86	85	76	74	---	---	46	44
14	206	196	200	197	86	82	77	74	70	66	48	42
15	204	185	200	198	84	81	79	76	74	69	45	37
16	191	187	200	198	83	78	82	79	76	71	42	38
17	192	190	201	197	79	75	83	81	77	73	44	41
18	194	191	206	201	76	72	84	79	77	73	49	43
19	196	194	207	204	72	68	83	82	77	73	53	47
20	215	194	210	201	69	65	84	82	76	71	50	48
21	229	213	208	189	67	65	83	80	75	70	55	48
22	230	224	188	177	67	64	83	78	74	72	63	53
23	224	197	178	152	67	65	82	77	74	70	69	61
24	197	190	---	---	69	66	78	75	75	69	70	67
25	191	185	---	---	69	68	76	70	73	69	71	68
26	187	184	---	---	67	58	73	69	74	69	72	68
27	187	180	---	---	61	59	70	64	72	66	72	66
28	186	179	---	---	61	57	65	58	69	66	66	57
29	189	184	---	---	61	59	62	56	69	65	66	58
30	192	190	---	---	60	58	60	53	---	---	69	63
31	197	193	---	---	63	59	58	55	---	---	70	65
MONTH	230	155	225	152	118	57	84	53	77	51	72	37

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	69	64	71	68	114	105	147	140	115	113	139	130
2	68	64	72	70	104	92	140	136	115	110	131	128
3	68	65	75	71	93	85	142	137	109	102	131	122
4	68	65	76	73	88	83	146	141	103	98	127	123
5	69	64	78	73	85	82	157	146	100	94	135	123
6	70	66	74	73	83	82	161	157	96	91	123	119
7	72	67	73	70	83	80	158	149	91	88	120	109
8	71	65	70	64	83	80	149	145	88	85	109	105
9	66	63	66	58	84	80	149	146	85	82	107	103
10	67	64	62	56	86	83	148	143	83	80	108	104
11	67	62	60	55	90	87	146	129	81	77	111	107
12	65	62	60	56	94	90	156	115	78	76	128	109
13	65	62	61	58	101	94	141	109	79	75	118	112
14	65	62	64	61	106	99	144	130	84	74	123	112
15	67	62	69	63	116	107	137	130	77	72	169	118
16	68	64	72	67	122	117	142	136	80	72	194	171
17	69	65	74	69	128	122	142	139	81	72	199	196
18	70	66	75	71	132	127	140	137	---	---	197	171
19	71	68	77	73	135	130	140	136	---	---	170	166
20	73	69	78	75	138	135	140	137	84	82	184	170
21	74	71	80	77	140	138	145	139	91	86	203	185
22	75	73	82	79	140	133	147	144	95	91	207	202
23	79	73	85	81	136	133	146	144	104	96	221	205
24	79	75	92	85	139	133	145	135	108	101	221	214
25	79	74	98	91	140	137	135	123	112	106	220	210
26	77	72	105	99	142	139	129	116	114	109	221	212
27	76	73	106	103	143	140	120	114	118	114	221	213
28	75	71	117	106	146	140	116	111	121	115	217	206
29	71	69	120	116	147	142	116	112	125	121	209	205
30	70	69	120	116	151	147	118	114	129	125	216	200
31	---	---	119	113	---	---	119	116	136	129	---	---
MONTH	79	62	120	55	151	80	161	109	136	72	221	103
YEAR	230	37										

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.3	7.2	7.4	7.3	---	---	6.7	6.7	6.5	6.4	6.9	6.7
2	7.2	7.1	7.4	7.3	---	---	6.8	6.7	6.5	6.4	6.9	6.8
3	7.2	7.1	7.4	7.2	6.8	6.7	6.7	6.7	6.5	6.4	6.9	6.8
4	7.2	7.1	7.4	7.3	6.7	6.6	6.7	6.6	6.5	6.5	6.8	6.8
5	7.2	7.0	7.5	7.3	6.7	6.6	6.8	6.7	6.5	6.5	6.8	6.7
6	7.2	7.0	7.4	7.3	6.6	6.6	6.8	6.7	---	---	6.8	6.5
7	7.3	7.1	7.5	7.3	6.6	6.5	6.8	6.7	---	---	6.5	6.3
8	7.3	7.1	7.5	7.4	6.6	6.5	6.8	6.7	---	---	6.3	6.2
9	7.3	7.1	7.5	7.2	6.6	6.6	6.8	6.7	---	---	6.4	6.3
10	7.4	7.1	7.4	7.2	6.6	6.6	6.8	6.7	---	---	6.4	6.3
11	7.3	7.1	7.4	7.3	6.6	6.6	6.8	6.7	---	---	6.4	6.3
12	7.3	7.0	7.4	7.3	6.7	6.6	6.8	6.8	---	---	6.3	6.3
13	7.3	7.1	7.5	7.3	6.7	6.6	6.9	6.8	---	---	6.4	6.3
14	7.2	7.1	7.5	7.3	6.6	6.6	6.9	6.8	6.8	6.8	6.4	6.3
15	7.6	7.2	7.4	7.2	6.6	6.6	6.9	6.8	6.8	6.7	6.5	6.3
16	7.3	7.1	7.4	7.3	6.6	6.6	6.9	6.9	6.9	6.8	6.5	6.3
17	7.3	7.1	7.4	7.3	6.6	6.5	6.9	6.9	6.9	6.8	6.5	6.4
18	7.3	7.1	7.4	7.3	6.6	6.5	6.9	6.9	6.9	6.9	6.6	6.4
19	7.3	7.1	7.4	7.3	6.6	6.6	6.9	6.9	6.9	6.8	6.6	6.5
20	7.3	7.2	7.5	7.2	6.6	6.6	6.9	6.9	6.9	6.8	6.6	6.5
21	7.4	7.2	7.4	7.3	6.6	6.4	7.0	6.9	6.9	6.8	6.6	6.6
22	7.3	7.2	7.4	7.3	6.5	6.4	7.0	6.9	6.9	6.8	6.7	6.6
23	7.3	7.1	7.4	7.2	6.5	6.4	7.0	6.9	6.9	6.8	6.8	6.7
24	7.3	7.1	---	---	6.5	6.4	7.0	6.9	6.9	6.8	6.8	6.7
25	7.3	7.2	---	---	6.5	6.4	6.9	6.8	6.8	6.8	6.8	6.8
26	7.3	7.1	---	---	6.5	6.5	6.8	6.8	6.9	6.8	6.8	6.7
27	7.3	7.1	---	---	6.6	6.5	6.8	6.7	6.9	6.7	6.8	6.7
28	7.3	7.1	---	---	6.6	6.6	6.7	6.6	6.8	6.7	6.8	6.6
29	7.3	7.2	---	---	6.6	6.6	6.6	6.5	6.8	6.7	6.7	6.6
30	7.3	7.2	---	---	6.6	6.5	6.5	6.4	---	---	6.7	6.6
31	7.4	7.2	---	---	6.7	6.6	6.5	6.4	---	---	6.8	6.7
MONTH	7.6	7.0	7.5	7.2	6.8	6.4	7.0	6.4	6.9	6.4	6.9	6.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.8	6.8	6.8	6.7	7.1	7.0	7.1	7.1	6.9	6.8	7.1	7.0
2	6.8	6.8	6.8	6.7	7.0	6.9	7.1	7.1	6.9	6.8	7.1	7.0
3	6.8	6.8	6.8	6.8	6.9	6.8	7.2	7.1	6.8	6.7	7.1	7.0
4	6.8	6.8	6.8	6.8	6.9	6.8	7.2	7.1	6.8	6.7	7.3	7.1
5	6.8	6.8	6.8	6.8	6.9	6.8	7.2	7.1	6.7	6.6	7.3	7.2
6	6.8	6.8	6.8	6.8	6.9	6.7	7.2	7.1	6.6	6.6	7.3	7.2
7	6.8	6.8	6.8	6.7	6.8	6.7	7.3	7.1	6.6	6.5	7.4	7.2
8	6.8	6.8	6.7	6.6	6.8	6.7	7.2	7.1	6.6	6.5	7.4	7.3
9	6.8	6.8	6.7	6.6	6.8	6.7	7.2	7.1	6.6	6.5	7.4	7.3
10	6.8	6.8	6.6	6.6	6.8	6.7	7.1	7.1	6.6	6.5	7.3	7.2
11	6.8	6.8	6.6	6.6	6.8	6.8	7.2	7.0	6.5	6.5	7.3	7.2
12	6.8	6.8	6.6	6.6	6.8	6.8	7.2	7.1	6.5	6.5	7.3	7.2
13	6.8	6.8	6.7	6.6	6.9	6.8	7.2	7.1	6.6	6.5	7.3	7.1
14	6.8	6.8	6.7	6.7	6.9	6.9	7.2	7.1	6.6	6.5	7.5	7.2
15	6.8	6.8	6.8	6.7	7.0	6.9	7.2	7.1	6.6	6.5	7.5	7.2
16	6.8	6.8	6.8	6.7	7.0	6.9	7.3	7.1	6.6	6.5	7.4	7.3
17	6.9	6.8	6.8	6.8	7.0	6.9	7.3	7.1	6.6	6.5	7.5	7.4
18	6.9	6.9	6.8	6.8	7.0	7.0	7.3	7.2	---	---	7.5	7.4
19	6.9	6.9	6.8	6.8	7.1	7.0	7.3	7.2	---	---	7.5	7.4
20	6.9	6.9	6.9	6.8	7.1	7.0	7.3	7.2	6.8	6.7	7.5	7.4
21	6.9	6.9	6.9	6.8	7.2	7.1	7.3	7.2	6.8	6.7	7.5	7.4
22	6.9	6.9	6.9	6.9	7.2	7.1	7.3	7.2	6.8	6.8	7.5	7.3
23	6.9	6.9	6.9	6.8	7.2	7.1	7.3	7.2	6.9	6.8	7.5	7.4
24	6.9	6.9	6.9	6.8	7.1	7.0	7.2	7.1	7.0	6.9	7.5	7.3
25	7.0	6.9	6.9	6.9	7.1	7.0	7.1	7.0	7.0	6.9	7.5	7.3
26	6.9	6.9	6.9	6.9	7.1	7.0	7.0	6.9	7.0	7.0	7.5	7.4
27	6.9	6.8	7.0	6.9	7.2	7.1	7.0	6.9	7.0	6.9	7.6	7.4
28	6.9	6.8	7.0	6.9	7.1	7.0	6.9	6.9	7.0	6.9	7.7	7.5
29	6.8	6.8	7.0	6.9	7.1	7.0	6.9	6.8	7.0	6.9	7.6	7.4
30	6.8	6.7	7.1	7.0	7.2	7.0	6.9	6.8	7.0	6.9	7.5	7.4
31	---	---	7.1	7.0	---	---	6.9	6.9	7.0	6.9	---	---
MONTH	7.0	6.7	7.1	6.6	7.2	6.7	7.3	6.8	7.0	6.5	7.7	7.0
YEAR	7.7	6.2										

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.0	21.5	20.5	19.5	---	---	5.5	5.0	10.5	9.5	11.0	10.0
2	24.0	22.5	20.5	19.5	---	---	5.5	5.0	11.0	9.5	11.0	10.0
3	24.5	23.0	21.0	19.5	15.5	14.5	5.5	5.5	11.5	10.0	12.0	10.5
4	25.0	23.5	21.0	19.5	16.5	15.5	6.0	5.5	11.5	11.0	12.5	11.5
5	25.5	24.0	20.5	19.5	16.5	16.0	6.5	6.0	11.5	10.5	13.5	12.5
6	26.0	24.5	20.0	18.5	17.0	16.0	7.5	6.5	---	---	15.0	13.5
7	25.5	24.5	19.0	18.5	16.0	14.5	8.0	7.0	---	---	15.0	14.5
8	25.5	24.0	18.5	18.0	14.5	13.0	8.0	7.0	---	---	14.5	13.5
9	25.0	24.0	18.5	18.0	13.5	12.5	8.0	7.5	---	---	14.5	13.0
10	24.5	24.0	19.0	18.0	13.5	12.5	9.0	8.0	---	---	14.5	12.5
11	24.5	23.5	18.0	17.5	14.0	13.5	9.5	9.0	---	---	14.5	13.0
12	25.0	23.5	17.5	16.5	14.5	14.0	9.0	8.0	---	---	14.5	13.0
13	25.0	24.5	16.5	15.5	14.5	14.0	8.0	7.5	---	---	15.5	14.0
14	24.5	23.0	16.0	15.5	14.0	13.5	8.0	7.5	13.5	12.5	16.0	14.0
15	23.0	21.5	17.0	15.5	14.0	13.5	8.5	8.0	13.5	12.5	16.0	14.0
16	22.5	22.0	16.5	15.5	13.5	12.5	9.0	8.5	13.5	13.0	16.5	15.0
17	23.5	22.0	15.5	14.5	12.5	12.5	9.0	9.0	14.5	13.0	16.5	15.5
18	24.0	22.5	15.0	14.0	12.5	12.0	10.5	9.0	15.0	13.5	17.5	16.0
19	24.5	23.0	15.0	13.5	12.5	12.0	11.0	10.5	15.5	14.5	18.0	16.5
20	23.5	23.0	15.5	14.5	12.0	11.5	10.5	9.0	16.0	15.0	18.0	17.5
21	23.0	22.5	16.0	15.0	11.5	10.5	8.5	8.0	15.5	15.0	18.0	17.0
22	22.0	21.5	16.5	15.0	11.0	10.5	8.0	7.5	15.0	15.0	17.5	16.5
23	22.5	21.5	16.0	14.5	11.0	11.0	7.5	7.0	15.0	14.5	17.5	17.0
24	23.0	22.0	---	---	11.0	9.5	8.5	7.5	14.5	13.5	18.0	17.0
25	22.5	21.0	---	---	9.0	7.5	9.5	8.5	15.0	14.0	19.0	18.0
26	22.0	20.5	---	---	7.0	5.5	9.5	9.5	14.5	13.5	19.0	18.5
27	21.5	20.0	---	---	6.0	5.0	10.5	9.5	14.5	14.0	18.5	18.0
28	21.0	19.0	---	---	7.0	6.0	11.0	10.0	14.5	12.5	19.0	18.0
29	20.5	19.0	---	---	8.0	7.0	11.0	10.5	12.5	10.5	18.5	17.0
30	20.0	19.5	---	---	7.5	6.5	11.5	10.5	---	---	17.0	16.5
31	20.0	19.0	---	---	6.5	5.5	11.5	10.0	---	---	16.5	16.0
MONTH	26.0	19.0	21.0	13.5	17.0	5.0	11.5	5.0	16.0	9.5	19.0	10.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.0	22.0	21.5	22.5	21.0	28.0	27.0	27.0	26.0	29.0	27.5
2	17.0	16.0	22.5	22.0	22.5	21.0	28.0	26.5	27.5	26.5	29.0	28.0
3	16.5	16.5	22.5	22.0	23.0	21.5	28.0	26.0	27.5	26.5	29.0	28.0
4	17.0	16.5	23.0	22.0	23.5	22.0	28.5	27.0	27.5	26.5	29.5	28.0
5	17.0	16.5	22.5	22.0	24.0	23.0	28.5	27.5	28.0	26.5	28.0	27.5
6	17.0	16.0	23.0	22.0	24.5	23.5	29.0	27.5	28.0	27.0	27.0	26.5
7	17.0	16.0	23.5	22.5	25.0	23.5	29.5	28.0	28.5	27.5	26.5	26.0
8	17.5	16.5	23.5	23.0	25.0	24.0	30.0	28.5	28.5	27.5	26.0	25.0
9	17.5	17.0	22.5	21.5	25.0	24.0	30.0	29.0	28.0	27.0	25.5	25.0
10	17.5	16.5	21.5	21.0	24.5	24.0	30.0	29.0	28.0	27.0	25.0	24.5
11	16.5	16.0	21.0	20.5	24.5	24.0	30.5	29.0	28.0	27.0	26.0	24.5
12	17.0	16.0	21.5	20.5	25.0	24.0	30.5	29.0	27.5	26.5	27.0	25.0
13	17.5	16.5	22.0	21.0	25.5	24.5	31.0	29.0	27.0	26.5	27.5	26.0
14	18.5	17.0	22.0	21.5	25.5	25.0	30.5	29.5	27.0	26.5	28.5	27.0
15	18.5	18.0	22.5	22.0	26.0	25.0	30.5	29.5	27.0	26.5	29.5	27.5
16	18.0	17.5	22.0	21.5	26.5	25.5	30.5	29.0	27.5	26.5	28.5	26.5
17	17.5	17.0	21.5	21.0	27.0	26.0	30.0	29.0	27.5	27.0	26.0	25.0
18	17.5	16.5	21.0	20.5	28.0	26.5	30.0	29.0	---	---	25.0	24.0
19	17.5	16.5	21.0	20.5	29.0	27.5	29.0	28.0	---	---	25.0	23.5
20	18.5	17.5	21.5	20.5	30.0	28.5	28.0	27.5	26.0	25.5	24.5	23.0
21	19.0	18.0	22.0	21.0	30.0	29.0	28.0	27.5	26.0	25.5	25.0	23.5
22	20.0	19.0	23.0	22.0	30.0	29.0	28.0	27.5	25.5	25.0	25.5	24.0
23	20.0	19.5	23.0	23.0	29.5	28.5	28.5	27.5	25.5	25.0	26.0	24.5
24	19.5	19.0	23.5	23.0	29.5	28.0	28.5	27.5	26.0	25.0	26.5	25.0
25	19.5	18.5	24.0	23.5	29.5	28.5	29.0	27.5	26.5	25.5	27.0	25.5
26	20.0	19.0	24.0	23.5	29.5	28.5	29.5	28.0	26.5	26.0	27.5	25.5
27	20.5	19.5	24.5	24.0	29.0	28.0	29.0	28.0	27.0	26.0	27.0	26.0
28	21.0	20.0	25.0	24.0	28.5	27.5	28.5	28.0	27.0	26.0	26.0	23.5
29	21.5	20.5	25.0	24.0	28.0	27.5	28.0	27.5	27.5	26.0	24.5	22.5
30	21.5	21.0	24.5	23.5	28.0	27.0	27.0	26.5	28.0	26.5	24.5	23.0
31	---	---	23.0	22.0	---	---	---	---	28.5	27.0	---	---
MONTH	21.5	16.0	25.0	20.5	30.0	21.0	31.0	26.0	28.5	25.0	29.5	22.5
YEAR	31.0	5.0										

ALTAMAHA RIVER AT EVERETT CITY, GA—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.5	6.0	8.0	7.5	---	---	11.0	10.6	9.1	8.8	9.2	8.4
2	6.6	6.0	8.3	7.5	---	---	11.1	10.6	9.2	9.0	9.4	9.0
3	6.6	6.0	8.1	7.3	8.1	7.9	11.2	10.6	9.1	8.8	9.4	9.1
4	6.8	6.1	8.0	7.2	7.9	7.5	11.0	10.4	9.0	8.6	9.2	8.9
5	6.8	6.0	8.0	7.3	7.5	7.1	10.7	10.2	8.7	8.3	8.9	8.7
6	6.8	6.0	7.8	7.1	7.4	6.9	10.6	10.2	---	---	8.3	7.9
7	7.1	6.1	7.9	7.2	7.0	6.6	10.5	10.0	---	---	8.0	7.1
8	7.2	6.1	8.2	7.6	7.2	6.7	10.4	10.0	---	---	7.9	6.7
9	7.1	6.3	8.2	7.2	7.4	7.0	10.4	9.9	---	---	7.3	7.2
10	7.6	6.4	8.1	7.2	7.6	7.2	10.2	9.8	---	---	7.9	7.5
11	7.6	6.6	8.1	7.5	7.8	7.3	9.8	9.0	---	---	8.1	7.6
12	7.6	6.6	8.1	7.7	7.6	7.1	9.5	9.0	---	---	8.2	7.6
13	7.6	7.0	8.4	7.9	7.2	6.5	9.7	9.2	---	---	8.0	7.6
14	7.3	6.8	8.4	7.9	7.2	6.6	9.8	9.3	8.7	8.1	8.2	7.6
15	7.7	7.0	8.4	7.8	7.4	7.0	9.8	9.4	8.3	7.9	8.1	7.3
16	7.7	7.1	8.3	7.9	7.7	7.1	9.7	9.3	8.3	7.8	7.8	7.4
17	8.0	7.4	8.5	8.0	8.0	7.5	9.5	9.1	8.3	7.9	7.7	6.8
18	8.0	7.5	8.5	7.9	8.3	7.8	9.5	9.2	8.1	7.8	7.7	6.8
19	8.3	7.5	8.7	8.0	8.5	8.2	9.3	8.7	8.0	7.7	8.0	7.1
20	8.1	7.4	8.5	8.0	8.7	8.4	8.8	8.6	7.8	7.4	7.8	7.2
21	7.6	7.0	8.7	7.9	9.1	8.1	9.2	8.6	7.6	7.2	7.1	6.8
22	7.5	6.9	8.7	8.1	9.0	8.5	9.6	9.0	7.7	7.3	7.4	6.9
23	7.9	6.8	8.9	8.3	9.0	8.6	9.8	9.3	7.6	7.2	7.4	7.0
24	7.7	7.1	---	---	9.1	8.6	9.8	9.4	8.0	7.3	7.2	6.9
25	7.8	6.9	---	---	9.4	8.8	9.5	8.9	8.4	7.9	7.0	6.7
26	7.7	6.9	---	---	10.2	9.6	9.1	8.8	8.5	8.1	6.7	6.5
27	7.7	6.9	---	---	10.7	10.1	9.1	8.5	8.7	7.7	6.6	6.3
28	7.8	7.0	---	---	10.8	10.5	9.1	8.5	8.1	7.5	6.5	5.9
29	7.8	7.3	---	---	10.8	10.3	8.9	8.2	8.6	7.8	6.1	5.8
30	7.8	7.4	---	---	10.4	10.1	8.6	8.1	---	---	6.6	6.0
31	7.9	7.5	---	---	10.7	10.2	8.8	8.5	---	---	7.0	6.5
MONTH	8.3	6.0	8.9	7.1	10.8	6.5	11.2	8.1	9.2	7.2	9.4	5.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.2	6.9	6.5	5.7	6.7	6.2	6.4	5.3	---	---	6.5	6.0
2	7.3	7.0	6.1	5.4	6.9	6.3	6.5	5.3	5.2	4.8	6.7	6.2
3	7.5	7.3	5.7	5.2	6.7	5.9	7.3	5.3	5.2	4.7	7.0	6.4
4	7.4	6.7	5.9	5.3	6.5	5.2	7.1	5.2	5.7	4.9	7.2	6.6
5	7.0	6.5	5.7	5.1	6.2	5.4	5.9	4.8	5.7	5.2	6.8	6.6
6	6.9	6.6	6.6	5.2	6.6	5.7	5.5	4.8	5.5	5.1	7.3	6.6
7	7.0	6.7	6.3	5.4	7.1	5.8	5.4	4.7	5.6	5.1	7.7	7.0
8	7.2	7.0	6.5	5.5	6.8	6.0	5.3	4.8	5.3	4.6	7.7	7.2
9	7.2	6.8	6.4	5.7	6.8	6.1	5.4	4.9	5.4	4.9	7.6	7.3
10	7.0	6.7	6.4	5.7	6.6	6.0	5.9	5.2	5.4	5.0	7.5	7.1
11	7.1	6.8	6.5	5.7	6.9	6.0	5.9	4.9	5.4	5.0	7.6	7.1
12	7.4	6.8	7.8	5.4	6.5	6.2	6.0	4.8	5.5	5.2	7.7	7.0
13	7.4	7.1	8.7	5.8	6.2	5.8	6.3	5.3	5.5	5.0	8.0	7.0
14	7.4	6.8	6.2	5.9	6.3	5.8	6.3	5.2	5.3	5.0	8.2	7.1
15	6.9	6.6	6.2	6.0	6.8	5.6	6.2	5.4	5.6	5.0	8.0	7.0
16	6.8	6.5	6.3	5.6	5.8	5.3	6.2	5.4	5.6	5.2	7.1	6.8
17	7.2	6.5	6.1	5.6	5.9	5.1	6.3	5.2	5.5	5.2	7.3	6.9
18	7.2	6.9	6.2	5.6	5.5	5.0	6.3	5.4	---	---	7.7	7.2
19	7.3	7.0	6.2	5.3	5.3	4.9	6.2	5.6	---	---	8.2	7.6
20	7.3	6.9	5.7	5.1	5.5	4.8	6.0	5.7	5.5	5.0	8.0	7.7
21	7.2	6.8	5.7	4.8	6.0	4.9	6.3	5.8	5.7	5.4	7.8	7.5
22	7.0	6.7	5.6	5.0	5.9	5.4	6.7	5.9	5.7	5.0	7.8	7.4
23	6.7	6.3	5.7	5.1	5.8	5.4	6.3	5.1	5.8	5.5	7.7	7.3
24	6.6	6.1	5.7	5.3	6.7	5.3	5.5	5.1	5.9	5.7	7.7	7.2
25	6.7	6.3	6.4	5.3	5.9	5.0	5.6	5.0	5.9	5.7	7.9	7.3
26	6.8	6.4	6.3	5.0	5.7	4.9	5.5	5.0	6.0	5.7	7.9	7.2
27	6.9	6.2	5.2	4.8	5.6	5.0	5.6	5.0	6.0	5.8	7.9	7.2
28	7.3	6.0	5.1	4.8	6.4	5.2	5.7	5.3	6.2	5.9	8.3	7.4
29	8.1	6.6	5.3	4.9	5.7	5.0	5.8	5.4	6.3	6.0	8.3	7.6
30	7.3	6.2	5.6	5.4	5.8	5.1	6.3	5.6	6.3	5.9	8.2	7.7
31	---	---	6.2	5.7	---	---	---	---	6.4	6.0	---	---
MONTH	8.1	6.0	8.7	4.8	7.1	4.8	7.3	4.7	6.4	4.6	8.3	6.0
YEAR	11.2	4.6										

RESERVOIRS IN ALTAMAHA RIVER BASIN

02210000 **LLOYD SHOALS RESERVOIR.**--Lat 33°19'13", long 83°50'20", Butts County, Hydrologic Unit 03070103, on Ocmulgee River, 1 mi upstream from bridge on State Highway 16, and 7 mi east of Jackson. DRAINAGE AREA, 1,400 mi^2. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 528.0 and 525.0 ft) is equipped with flashboards 308.5 ft wide by 2 ft high and 420 ft wide by 5 ft high. Dam completed in 1910. Total capacity at elevation 530.0 ft, top of flashboards, is 107,000 acre-ft, of which 78,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	528.8	101000	-	-
Oct. 31................	528.3	98800	-2200	-36
Nov. 30................	528.9	102000	+3200	+54
Dec. 31................	528.9	102000	0	0
CAL YR 1983	-	-	+4500	+6
Jan. 31................	528.7	101000	-1000	-16
Feb. 29................	529.2	103000	+2000	+35
Mar. 31................	529.9	106000	+3000	+49
Apr. 30................	529.4	104000	-2000	-34
May 31................	529.0	102000	-2000	-33
June 30................	529.3	104000	+2000	+34
July 31................	530.6	110000	+6000	+98
Aug. 31................	528.1	98000	-12000	-195
Sept. 30................	528.0	97500	-500	-8
WTR YR 1984	-	-	-3500	-5

† Elevation at 0700 on day following that shown in first column.

02220450 **LAKE OCONEE.**--Lat 33°21'00", long 83°09'28", Putnam County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi upstream from bridge on State Highway 16, and 13.3 mi east of Eatonton. DRAINAGE AREA, 1,820 mi^2. PERIOD OF RECORD, January 1979 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 435.6 ft) is equipped with five radial gates 42 ft wide by 44 ft high. Storage began in January 1979; water in reservoir first reached minimum pool elevation in July 1979. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	435.4	367200	-	-
Oct. 31................	435.4	367200	0	0
Nov. 30................	435.5	369000	+1800	+30
Dec. 31................	435.2	363600	-5400	-88
CAL YR 1983	-	-	-5400	-7
Jan. 31................	435.4	367200	+3600	+59
Feb. 29................	435.1	361800	-5400	-94
Mar. 31................	434.2	345600	-16200	-263
Apr. 30................	434.4	349200	+3600	+61
May 31................	435.4	367200	+18000	+293
June 30................	435.2	363600	-3600	-61
July 31................	435.3	365400	+1800	+29
Aug. 31................	434.8	356400	-9000	-146
Sept. 30................	435.4	367200	+10800	+182
WTR YR 1984	-	-	0	0

† Elevation at 0700 on day following that shown in first column.

RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

02222500 **SINCLAIR RESERVOIR.**--Lat 33°08'27", long 83°12'08", Baldwin County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi upstream from Georgia Railroad bridge, and 4 mi north of Milledgeville. DRAINAGE AREA, 2,900 mi^2. PERIOD OF RECORD, October 1952 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 ft) is equipped with 24 gates 30 ft wide by 21 ft high. Storage began in 1952; water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340.0 ft, top of gates, is 334,000 acre-ft, of which 214,600 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	338.0	304000	-	-
Oct. 31	338.6	313000	+9000	+146
Nov. 30	339.8	331000	+18000	+303
Dec. 31	339.5	326500	-5500	-89
CAL YR 1983	-	-	+9000	+12
Jan. 31	339.5	326500	0	0
Feb. 29	339.3	323500	-3000	-52
Mar. 31	339.5	326500	+3000	+49
Apr. 30	339.5	326500	0	0
May 31	339.2	322000	-4500	-73
June 30	339.1	320500	-1500	-25
July 31	339.8	331000	+10500	+171
Aug. 31	339.0	319000	-12000	-195
Sept. 30	338.1	305500	-13500	-227
WTR YR 1984	-	-	+1500	+2

† Elevation at 0700 on day following that shown in first column.

02226475 SATILLA RIVER AT WALTERTOWN, GA.

LOCATION.--Lat 31°18'17", long 82°23'33", Ware County, Hydrologic Unit 03070201, at county highway bridge at Waltertown, and 6 mi north of Waycross.

PERIOD OF RECORD.--August 1973 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
12...	1255	14	70	69	5.7	5.5	24.5	26.5	6.7	81
NOV										
02...	1010	12	44	45	5.7	5.7	18.0	22.5	7.4	77
DEC										
15...	1400	1060	67	65	4.8	4.9	13.0	19.0	8.3	79
JAN										
11...	1325	1690	57	55	4.6	4.8	8.5	5.0	8.6	73
FEB										
15...	1245	1940	43	44	4.9	4.8	14.0	21.5	7.6	73
MAR										
08...	1015	20000	25	25	4.9	4.9	14.5	12.0	6.8	66
APR										
04...	1330	4700	33	32	4.9	5.0	16.0	22.5	6.6	68
MAY										
09...	1110	733	42	43	5.6	5.7	23.0	24.0	5.4	63
JUN										
06...	1225	1620	36	37	5.4	5.6	22.0	29.5	6.6	75
JUL										
11...	1300	264	40	40	4.3	4.5	28.5	35.0	4.5	58
AUG										
08...	1110	3800	42	42	4.4	4.7	26.5	32.5	5.4	67
SEP										
12...	1120	463	49	48	5.5	5.9	24.0	29.0	5.3	63

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
12...	110	5.0	1.8	70	3.0	.11	.060	.030	13
NOV									
02...	70	5.0	1.4	130	4.0	.12	.150	.040	10
DEC									
15...	160	5.0	2.1	490	4.0	<.02	<.020	.070	27
JAN									
11...	120	4.0	1.2	55	2.0	.07	.070	.040	22
FEB									
15...	150	5.0	1.1	80	2.0	.07	.040	.040	22
MAR									
08...	140	8.0	1.8	1300	2.0	.04	.030	.060	22
APR									
04...	200	5.0	1.3	20	3.0	.02	.040	.040	24
MAY									
09...	200	9.0	1.9	40	5.0	.12	.100	.120	21
JUN									
06...	180	14	1.5	170	3.0	.05	.040	.080	17
JUL									
11...	280	4.0	1.5	20	<1.0	.03	.040	.050	29
AUG									
08...	250	5.0	.7	80	2.0	<.02	.030	.100	33
SEP									
12...	160	6.0	1.4	60	6.0	.04	.040	.070	20

02226500 SATILLA RIVER NEAR WAYCROSS, GA.

LOCATION.--Lat 31°14'17", long 82°19'29", Ware-Pierce County line, Hydrologic Unit 03070201, on downstream side of pier near center span of bridge on State Highway 38, 3 mi northeast of Waycross, and 16 mi upstream from Alabaha River.

DRAINAGE AREA.--1,200 mi², approximately.

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WSP 952: 1939. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft, National Geodetic Vertical Datum of 1929. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft downstream at same datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--47 years, 1,050 ft³/s, 11.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,000 ft³/s Apr. 4, 1948, gage height, 22.4 ft, from floodmark; minimum, 6.0 ft³/s Nov. 3, 4, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 4, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 4	0700	5880	15.69	Apr. 1	2000	7380	16.33
Jan. 31	1300	14800	18.60	Apr. 30	0700	5880	15.69
Mar. 10	0300	*23400	20.29	Aug. 8	0600	4140	14.72

Minimum discharge, 17 ft³/s Nov. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	19	303	3690	14000	3530	7220	5150	488	212	812	675
2	35	19	327	4700	12000	4000	7150	4240	611	369	1010	479
3	33	18	315	5610	9820	4490	6410	3390	671	490	1260	342
4	32	18	279	5850	8150	4850	5750	2460	891	486	1640	261
5	31	18	254	5520	6800	5010	4970	1610	1280	423	2150	216
6	29	18	302	4830	5640	8040	4410	1120	1540	373	2880	176
7	28	17	383	4160	4770	10500	4210	816	1520	383	3810	168
8	26	23	407	3600	4270	15300	4190	696	1150	454	4100	339
9	25	30	446	3110	3960	21900	4210	659	711	444	3840	553
10	24	25	462	2660	3670	22900	4140	802	428	374	3300	680
11	23	20	468	2250	3360	19900	3940	1310	285	283	2510	666
12	23	18	591	1890	3050	15400	3650	1790	213	241	1660	530
13	23	19	667	1620	2760	11800	3350	2070	174	212	1010	375
14	24	20	788	1410	2470	9040	3100	2080	163	169	636	271
15	23	21	936	1270	2290	7030	2940	1860	138	173	434	210
16	22	22	1030	1150	2240	5520	2850	1450	118	300	328	168
17	22	21	1090	1070	2300	4460	2690	1030	103	402	269	138
18	21	20	1130	1030	2380	3810	2410	729	94	309	229	118
19	21	20	1200	1020	2440	3300	2040	543	87	246	196	104
20	21	92	1360	1030	2450	2910	1640	437	79	238	173	92
21	21	97	1700	1110	2380	2570	1290	363	98	249	153	82
22	21	51	2140	1290	2230	2270	1040	305	130	266	154	73
23	29	42	2680	1520	2030	2060	881	264	96	367	230	66
24	25	75	3310	1780	1810	1990	769	241	83	579	287	60
25	22	176	3690	2070	1660	2080	752	229	84	865	626	56
26	21	121	3710	2380	1600	2280	1080	242	120	1050	654	52
27	20	156	3510	3820	1950	2860	1710	307	136	1230	610	48
28	20	222	3250	5350	2810	4460	2840	337	126	1260	652	100
29	19	259	3190	8640	3200	4330	4950	412	122	1130	739	349
30	19	273	3110	12800	---	4440	5800	435	150	932	827	479
31	19	---	3210	14700	---	5870	---	424	---	774	829	---
TOTAL	759	1950	46238	112930	118490	218900	102382	37801	11889	15283	38008	7926
MEAN	24.5	65.0	1492	3643	4086	7061	3413	1219	396	493	1226	264
MAX	37	273	3710	14700	14000	22900	7220	5150	1540	1260	4100	680
MIN	19	17	254	1020	1600	1990	752	229	79	169	153	48
CFSM	.02	.05	1.24	3.04	3.41	5.88	2.84	1.02	.33	.41	1.02	.22
IN.	.02	.06	1.43	3.50	3.67	6.79	3.17	1.17	.37	.47	1.18	.25

CAL YR 1983 TOTAL 724824 MEAN 1986 MAX 14500 MIN 17 CFSM 1.66 IN 22.47
WTR YR 1984 TOTAL 712556 MEAN 1947 MAX 22900 MIN 17 CFSM 1.62 IN 22.09

02226582 SATILLA RIVER NEAR HOBOKEN, GA.

LOCATION.--Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at bridge on State Highway 121, 3 mi northeast of Hoboken.

DRAINAGE AREA.--1,350 mi^2, approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 12...	1415	38	142	135	6.7	6.7	25.5	27.5	5.3	65
NOV 02...	1125	34	160	155	6.7	6.7	17.5	24.5	5.0	52
DEC 15...	1210	680	65	63	5.1	5.0	13.0	16.0	8.3	79
JAN 11...	1510	3090	56	53	4.6	4.8	9.0	7.0	8.2	71
FEB 15...	1400	2810	45	45	4.9	4.9	13.0	22.5	7.4	70
MAR 08...	1215	14800	30	29	5.1	5.1	14.5	15.5	6.5	66
APR 04...	1505	7100	30	31	4.9	5.0	16.5	22.5	6.8	70
MAY 09...	1235	1110	45	43	5.6	5.8	23.0	23.0	4.3	50
JUN 06...	1335	1190	39	40	5.6	5.7	23.0	34.0	6.0	70
JUL 11...	1425	425	43	43	5.0	5.1	28.5	35.0	4.3	55
AUG 08...	1250	3050	42	42	4.6	4.9	26.5	33.5	5.4	67
SEP 12...	1230	650	57	57	5.5	5.8	24.0	31.0	6.1	72

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	100	5.0	—	2.2	50	16	1	1.4	.960	—	.840	12
NOV 02...	60	5.0	—	2.4	20	21	<1	1.3	.580	—	.980	11
DEC 15...	160	6.0	—	2.2	1300	3.0	13	.04	.110	—	.140	27
JAN 11...	110	3.0	—	1.2	170	3.0	<1	.02	.070	—	.030	22
FEB 15...	140	4.0	—	1.3	330	2.0	<1	.05	.040	—	.040	22
MAR 08...	160	14	—	1.5	2400	3.0	8	.04	.050	—	.090	15
APR 04...	200	5.0	—	1.1	130	3.0	2	.02	.050	—	.040	27
MAY 09...	220	9.0	—	1.9	4900	6.0	10	.10	.220	—	.140	18
JUN 06...	150	13	—	1.7	4600	5.0	112	.09	.060	—	.070	16
JUL 11...	200	6.0	85	1.3	3300	3.0	8	.10	.140	.90	.150	28
AUG 08...	230	7.0	80	.6	2100	3.0	8	.02	.040	.90	.080	33
SEP 12...	150	7.0	43	1.8	1300	7.0	13	.22	.190	1.0	.160	18

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.

LOCATION.—Lat 31°27'04", long 82°03'17", Pierce-Wayne County line, Hydrologic Unit 03070202, at right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 ft downstream from bridge on State Highway 38, 4 mi northeast of Offerman, and 16 mi upstream from mouth.

DRAINAGE AREA.—646 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1951 to current year.

GAGE.—Water-stage recorder. Datum of gage is 58.00 ft, National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft upstream and Nov. 8, 1952, to Sept. 30, 1975, water-stage recorder at present site at datum 1.00 ft higher.

REMARKS.—Records good except those below 50 ft^3/s, which are fair.

AVERAGE DISCHARGE.—33 years, 530 ft^3/s, 11.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 17,200 ft^3/s Sept. 29, 1953, gage height, 14.5 ft, present datum; no flow Oct. 10 to Nov. 14, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 2	0800	1720	9.22	Mar. 31	1700	2520	9.75
Jan. 29	2000	*13900	13.25	Apr. 28	2200	2840	9.92
Mar. 8	0300	12900	13.05				

Minimum discharge, 0.36 ft^3/s Oct. 28 to Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	.40	18	1660	6020	1970	2360	1320	301	175	625	56
2	.62	.36	16	1710	4310	1790	1940	954	511	171	575	49
3	.61	.37	14	1710	3250	1820	1590	719	746	177	711	47
4	.61	.39	12	1660	2720	1830	1430	548	757	173	1170	30
5	.63	.59	11	1360	2290	1760	1350	343	515	138	1340	34
6	.57	.50	21	1390	1960	3150	1260	236	291	94	1210	40
7	.46	.53	82	1190	1680	9720	1120	176	166	59	1200	36
8	.49	1.0	132	989	1410	12400	939	134	94	44	1200	41
9	.56	.98	114	826	1220	11200	903	111	58	34	1050	54
10	.66	.89	97	717	1060	8770	1040	102	37	23	763	49
11	.72	.73	92	625	931	6200	1120	181	25	16	485	71
12	.89	.66	227	548	828	4370	1080	306	18	56	255	68
13	.83	.61	310	490	769	3210	955	422	23	36	137	56
14	.76	.61	337	441	736	2510	830	354	116	68	78	41
15	.69	.66	344	398	714	1940	722	232	225	30	44	28
16	.66	.82	338	370	695	1570	610	161	163	17	26	20
17	.60	.71	341	354	671	1280	500	109	178	9.2	17	14
18	.55	.68	381	361	645	1080	407	75	189	6.4	23	11
19	.51	.67	537	431	629	928	329	50	159	45	146	8.8
20	.50	1.8	682	485	605	834	268	34	113	96	836	6.8
21	.55	4.2	817	540	573	804	225	24	70	160	934	5.1
22	.59	12	868	648	550	741	186	19	82	190	832	3.8
23	.84	13	822	828	589	648	189	16	168	176	602	3.0
24	.66	11	812	1080	602	546	267	13	304	171	398	2.5
25	.54	30	842	1360	581	495	498	10	353	142	396	2.3
26	.49	51	832	1610	533	512	1060	7.8	492	101	379	2.1
27	.44	47	762	3150	673	682	1610	7.4	481	66	273	2.0
28	.40	33	703	8140	1350	1270	2430	11	409	54	199	3.7
29	.37	26	823	13200	1920	1850	2550	21	282	46	165	168
30	.38	20	1070	12400	—	2270	1820	88	193	141	125	575
31	.40	—	1360	8830	—	2460	—	172	—	518	83	—
TOTAL	18.22	261.16	13817	69701	40514	90610	31588	6956.2	7519	3232.6	16277	1528.1
MEAN	.59	8.71	446	2249	1397	2923	1053	224	251	104	525	50.9
MAX	.89	51	1360	13200	6020	12400	2550	1320	757	512	1340	575
MIN	.37	.36	11	354	533	495	186	7.4	18	6.4	17	2.0
CFSM	.001	.01	.69	3.48	2.16	4.53	1.63	.35	.39	.16	.81	.08
IN.	.00	.02	.80	4.01	2.33	5.22	1.82	.40	.43	.19	.94	.09

CAL YR 1983 TOTAL 331278.28 MEAN 908 MAX 7110 MIN .36 CFSM 1.41 IN 19.08
WTR YR 1984 TOTAL 282022.28 MEAN 771 MAX 13200 MIN .36 CFSM 1.19 IN 16.24

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1957 to May 1958, October 1969 to August 1970, April 1978 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
22...	1310	13	13.0	19	.67
JAN					
04...	1535	1660	6.0	17	76
FEB					
14...	1530	736	16.0	8	16
MAY					
22...	1240	18	23.0	21	1.0
JUN					
15...	0810	240	22.0	13	8.4
26...	1155	500	26.0	16	22
AUG					
07...	1335	1210	25.0	20	65

02228000 SATILLA RIVER AT ATKINSON, GA.
(National stream-quality accounting network station)

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, Hydrologic Unit 03070201, on left bank piling 25 ft upstream from bridge on U.S. Highway 84, 400 ft downstream from Seaboard Coast Line Railroad bridge, and 1 mi west of Atkinson.
DRAINAGE AREA.--2,790 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1930 to current year. Monthly discharge only for some periods, published in WSP 1304.
REVISED RECORDS.--WSP 1504: 1932. WSP 1624: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 14.79 ft, National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, nonrecording gage at same site and datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--54 years, 2,286 ft^3/s, 11.13 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft^3/s Apr. 6, 1948, gage height, 23.9 ft; minimum daily, 21 ft^3/s Nov. 2-5, 7-13, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, 27.2 ft in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 9	1500	8660	14.56	Apr. 5	1800	11500	15.56
Feb. 3	0600	26600	18.62	May 5	1900	8040	14.24
Mar. 12	0700	*36800	20.12				

Minimum discharge, 55 ft^3/s Nov. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	61	287	5920	21700	5050	10400	2900	779	586	1360	1180
2	92	60	298	6140	25500	5310	10500	4100	898	536	1660	1070
3	88	59	316	6310	26300	6020	10300	5600	982	569	1800	1000
4	85	58	339	6470	25000	6840	10800	7140	1040	600	1870	957
5	83	57	361	6720	22100	7480	11400	7890	1110	666	1900	907
6	81	56	403	7140	18800	8990	11300	7650	1180	731	1980	814
7	79	57	511	7760	15900	11600	10800	6800	1220	755	2120	712
8	77	78	551	8350	13600	14900	10100	5680	1170	753	2320	609
9	86	87	587	8620	12000	24500	9530	4520	1110	701	2570	518
10	100	79	638	8460	10600	31900	9040	3450	1110	626	2590	460
11	91	75	696	7980	9550	35500	8430	2610	1150	567	3280	460
12	95	76	852	7310	8680	36400	7910	2010	1160	535	3840	507
13	90	80	1010	6550	7980	34400	7560	1610	1100	512	4370	580
14	94	79	1130	5770	7360	30000	7370	1440	1110	492	4520	638
15	87	78	1270	5050	6680	25000	7180	1450	1020	448	4280	655
16	86	79	1420	4350	6060	20300	6900	1530	884	414	3700	611
17	82	73	1540	3720	5490	16400	6460	1610	772	377	3050	525
18	78	70	1620	3260	5010	13500	5900	1700	661	348	2420	437
19	75	69	1690	2910	4590	11500	5300	1770	584	356	1840	370
20	73	93	1760	2630	4230	9960	4750	1760	530	398	1480	326
21	71	154	1870	2440	3940	8790	4270	1600	476	435	1170	296
22	71	149	2030	2310	3810	7730	3840	1360	431	488	1150	273
23	75	146	2210	2240	3820	6800	3480	1110	401	563	1260	255
24	73	177	2400	2250	3840	6020	3150	903	406	622	1370	239
25	70	234	2600	2390	3860	5350	2740	740	455	671	1430	226
26	70	241	2820	2640	3850	4740	2380	628	510	684	1450	214
27	73	232	3230	3370	4180	4410	2140	551	539	688	1490	203
28	72	270	3480	4510	4820	5300	2020	505	578	728	1530	210
29	69	299	4230	5550	5020	6490	2050	593	613	810	1510	233
30	65	291	5020	7470	---	7220	2320	634	634	933	1420	237
31	63	---	5580	14000	---	8930	---	686	---	1090	1300	---
TOTAL	2490	3617	52769	170590	294270	427330	200320	82530	24613	18682	68330	15722
MEAN	80.3	121	1702	5503	10150	13780	6677	2662	820	603	2204	524
MAX	100	299	5580	14000	26300	36400	11400	7890	1220	1090	4520	1180
MIN	63	56	287	2240	3810	4410	2020	505	401	348	1150	203
CFSM	.03	.04	.61	1.97	3.64	4.94	2.39	.95	.29	.22	.79	.19
IN.	.03	.05	.70	2.27	3.92	5.70	2.67	1.10	.33	.25	.91	.21

CAL YR 1983 TOTAL 1444052 MEAN 3956 MAX 20400 MIN 56 CFSM 1.42 IN 19.25
WTR YR 1984 TOTAL 1361263 MEAN 3719 MAX 36400 MIN 56 CFSM 1.33 IN 18.15

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to September 1981.
WATER TEMPERATURES: November 1974 to September 1981.
INSTRUMENTATION.--Water-temperature recorder November 1974 to September 1981. Specific-conductance recorder October 1975 to September 1981.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 159 micromhos Nov. 7, 1978; minimum recorded, 30 micromhos Mar. 16, 1977, Sept. 28, 1979, Mar. 20, 21, 1980.
WATER TEMPERATURES: Maximum, 33.5°C July 11-12, 1977, Aug. 4, 1980; minimum recorded, 4.0°C Jan. 13, 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT									
19...	1400	75	74	78	6.4	6.2	23.5	27.0	8.1
19...	1405	75	74	79	6.4	6.4	23.5	27.0	8.1
JAN									
11...	1400	7920	56	55	4.6	4.8	9.5	6.5	9.3
11...	1405	7920	56	57	4.6	4.7	9.5	6.5	9.3
MAY									
16...	1345	1530	40	40	5.2	5.3	23.0	23.0	5.8
JUN									
06...	1330	1180	45	45	5.3	5.5	25.0	31.0	7.0
AUG									
29...	1330	1510	49	50	5.5	5.4	26.0	30.0	5.5
29...	1335	1510	49	50	5.5	5.0	26.0	30.0	5.5

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT									
19...	95	--	3.0	--	--	12	53	16	5
19...	95	110	4.0	.7	50	--	--	--	--
JAN									
11...	82	--	4.3	--	--	54	1800	11	7
11...	82	130	4.0	1.9	80	--	--	--	--
MAY									
16...	67	200	11	.5	65	--	--	--	--
JUN									
06...	85	--	6.0	--	--	68	500	10	8
AUG									
29...	68	--	5.5	--	--	110	660	10	8
29...	68	180	9.0	2.1	170	--	--	--	--

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
OCT								
19...	3.1	2.0	8.0	49	.9	1.5	11	9.5
19...	--	--	--	--	--	--	7.0	5.4
JAN								
11...	1.8	1.5	3.9	40	.5	1.8	4.0	195
11...	--	--	--	--	--	--	1.0	49
MAY								
16...	--	--	--	--	--	--	4.0	49
JUN								
06...	1.9	1.2	3.9	42	.6	1.5	2.0	19
AUG								
29...	2.2	1.2	4.0	41	.6	1.8	2.0	12
29...	--	--	--	--	--	--	2.0	12

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT								
19...	14	10	.10	7.1	67	54	14	.09
19...	--	--	--	--	--	--	--	--
JAN								
11...	7.6	8.2	<.10	6.9	76	35	1630	.10
11...	--	--	--	--	--	--	--	--
MAY								
16...	--	--	--	--	--	--	--	--
JUN								
06...	6.2	7.7	<.10	6.6	64	32	204	.09
AUG								
29...	5.6	8.2	<.10	8.3	45	34	183	.06
29...	--	--	--	--	--	--	--	--

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
19...	--	.51	--	.140	1.6	.270	.220	.220	--
19...	.30	--	.060	--	--	.210	--	--	14
JAN									
11...	--	<.10	--	.170	.70	.020	.020	<.010	--
11...	<.02	--	.090	--	--	.020	--	--	26
MAY									
16...	.08	--	.060	--	--	.090	--	--	23
JUN									
06...	--	.14	--	.120	.90	.060	.040	.030	--
AUG									
29...	--	.28	--	.150	.90	.080	.060	.040	--
29...	.21	--	.070	--	--	.100	--	--	26

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 19...	140	1	30	<.5	<1	<1	<3	1	620	3
JAN 11...	490	<1	34	<.5	1	<1	<3	4	400	3
JUN 06...	510	1	28	<.5	<1	1	<3	2	660	2
AUG 29...	520	1	29	<.5	<1	<1	<3	3	830	5

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 19...	<4	12	<.1	<10	2	<1	<1	27	<6	7
JAN 11...	<4	50	<.1	<10	2	<1	<1	13	8	20
JUN 06...	<4	30	<.1	<10	1	<1	<1	14	<6	64
AUG 29...	<4	34	<.1	<10	2	<1	<1	16	<6	53

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	1410	75	23.5	6	1.2	89
JAN 11...	1410	7920	9.5	9	192	50
JUN 06...	1335	1180	25.0	14	45	94
AUG 29...	1340	1510	26.0	14	57	71

02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW sec.8, T.1 N., R.21 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, near right bank at upstream side of bridge on State Highways 2 and 94, 0.2 mi upstream from Georgia Southern & Florida Railway bridge, 0.4 mi west of Moniac, 1.0 mi downstream from Moccasin Creek, and 122 mi upstream from mouth of St. Marys River.

DRAINAGE AREA.--160 mi^2, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--January 1921 to December 1923 (published as St. Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to current year.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft, National Geodetic Vertical Datum of 1929. January 1921 to June 1934, nonrecording gage at site 800 ft downstream at datum 3.22 ft higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years (1922-23, 1928-29, 1933, 1951-83), 161 ft^3/s, 13.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft^3/s Apr. 5, 1973, gage height, 22.98 ft; no flow for many days in some years.

NOTE.--Records for 1984 water year were not available in time in inclusion in this report. These records will be published in "Water Resources Data, Florida, Water Year 1984", Volume 1, Northeast Florida.

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.
(National stream-quality accounting network station)

LOCATION.--Lat 30°21'31", long 82°04'34", in NW sec. 2, T.2 S., R.22 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, on right bank 200 ft downstream from site of former Stokes Bridge, 1 mi downstream from confluence of North and South Prongs, 6 mi northeast of Macclenny, and 100 mi upstream from mouth.
DRAINAGE AREA.--700 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1926 to current year.
REVISED RECORDS.--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 40.00 ft, National Geodetic Vertical Datum of 1929 (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939, to Aug. 15, 1948, water-stage recorder, at site of former bridge 200 ft upstream at same datum.
REMARKS.--Records good.
AVERAGE DISCHARGE.--57 years (1927-84), 671 ft³/s, 13.02 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,100 ft³/s Sept. 25, 1947, maximum gage height, 23.25 ft Sept. 13, 1964, from floodmark; minimum discharge observed, 12 ft³/s May 22, 1932; minimum gage height observed, 0.04 ft June 4, 5, 1927.
NOTE.--Records for 1984 water year were,not available in time for inclusion in this report. These records will be published in "Water Resources Data, Florida, Water Year 1984", Volume 1, Northeast Florida.

02231000 ST. MARYS RIVER NEAR MACCLENNY, FLA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1965 to current year.
PERIOD OF DAILY RECORD.--
 SPECIFIC CONDUCTANCE: March 1965 to October 1969, January 1974 to September 1981.
 WATER TEMPERATURES: March 1965 to October 1969, January 1974 to September 1976.
NOTE.--Records for 1984 water year were not available in time for inclusion in this report. These records will be published in "Water Resources Data, Florida, Water Year 1984", Volume 1, Northeast Florida.

02231220 ST. MARYS RIVER AT BOULOGNE, FLA.

LOCATION.—Lat 30°46'35", long 81°58'44", Nassau County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, at bridge on U.S. Highways 1, 23, and 301, at Boulogne.

DRAINAGE AREA.—1,180 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
12...	1630	62	56	6.0	6.2	25.0	28.5	5.7	69
NOV									
02...	1300	60	60	6.1	6.0	19.0	24.5	6.7	71
DEC									
15...	1040	52	51	5.3	5.4	14.0	15.5	8.2	79
JAN									
11...	1715	46	44	4.4	4.6	9.0	6.5	9.9	85
FEB									
15...	1525	47	48	5.3	5.3	15.5	22.5	7.7	77
MAR									
08...	1415	36	35	4.8	4.8	15.0	16.0	7.2	71
APR									
04...	1610	32	31	4.7	4.7	17.0	23.5	6.3	66
MAY									
09...	1355	45	44	5.7	5.8	26.5	25.0	5.6	70
JUN									
06...	1555	43	43	5.7	5.9	27.5	32.5	3.8	48
JUL									
11...	1545	52	51	6.3	6.3	30.5	30.0	4.8	64
AUG									
08...	1530	42	43	4.4	4.5	27.5	33.5	5.0	63
SEP									
12...	1500	48	47	5.8	6.0	25.0	34.5	6.6	80

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT										
12...	240	2.0	2.0	80	10	.04	.090	.030	28	11
NOV										
02...	250	2.0	2.1	50	6.0	.03	.050	.040	28	7.2
DEC										
15...	200	4.0	1.8	230	5.0	<.02	.040	.040	30	7.2
JAN										
11...	180	3.0	2.0	70	2.0	<.02	.800	.050	29	4.4
FEB										
15...	200	7.0	1.4	490	4.0	.04	.050	.030	29	4.0
MAR										
08...	200	5.0	.5	220	3.0	<.02	.050	.030	23	4.8
APR										
04...	220	4.0	1.6	50	2.0	<.02	.050	.020	30	6.1
MAY										
09...	250	3.0	1.5	70	6.0	.05	.070	.050	22	5.0
JUN										
06...	200	1.0	.8	<20	6.0	.06	.030	<.020	24	6.2
JUL										
11...	220	2.0	.8	<20	10	.05	.060	.060	25	4.7
AUG										
08...	300	3.0	1.0	50	<1.0	.02	.040	.040	40	6.6
SEP										
12...	200	1.0	1.1	<20	8.0	.06	.040	.050	32	7.2

02314500 SUWANNEE RIVER AT FARGO, GA.

LOCATION.—Lat 30°40'50", long 82°33'38", Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi upstream from Suwannoochee Creek, and 12 mi downstream from Mixons Ferry damsite.

DRAINAGE AREA.—About 1,260 mi^2, includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.—WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.—Water-stage recorder. Datum of gage is 91.90 ft, National Geodetic Vertical Datum of 1929. Jan. 27, 1921, to Sept. 30, 1923, nonrecording gage at site 1,200 ft upstream at datum 3.00 ft higher. Jan. 27, 1927, to Dec. 31, 1931, and Apr. 20, 1937, to June 10, 1938, nonrecording gage at site 1,000 ft upstream at datum 1.00 ft higher, June 11, 1938, to Nov. 26, 1952, nonrecording gage at site 1,000 ft upstream at present datum. Oct. 14, 1960, to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi upstream.

REMARKS.—Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

AVERAGE DISCHARGE.—51 years (1927-31, 1937-84), 1,087 ft^3/s, 11.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 13,800 ft^3/s Oct. 1, 5, 6, 1928; maximum gage height, 21.01 ft Apr. 9, 1973; no flow at times in 1931, 1943, 1954.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 6	1700	2590	11.41	Apr. 6	1900	*10500	*18.02
Feb. 8	2400	4350	13.08	Aug. 4	1000	2210	10.86
Mar. 13	0100	9130	16.91				

Minimum discharge, 47 ft^3/s Nov. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	55	198	2350	2650	2970	9650	2440	751	481	1550	854
2	163	54	190	2420	2860	3120	9750	2280	707	752	1820	789
3	154	52	187	2490	3080	3220	9780	2160	666	1200	2120	715
4	145	51	193	2540	3360	3310	10100	2030	627	1480	2200	647
5	137	50	222	2570	3710	3380	10400	1910	587	1650	2180	588
6	128	49	240	2580	4040	3980	10500	1790	546	1750	2130	540
7	119	48	276	2580	4230	5570	10500	1680	501	1690	2070	500
8	111	51	279	2540	4320	6980	10400	1560	457	1620	1990	462
9	104	53	274	2490	4340	7940	10200	1410	416	1570	1900	429
10	97	53	274	2430	4310	8540	10000	1230	377	1500	1780	401
11	91	52	291	2360	4220	8910	9740	1090	343	1440	1650	374
12	87	51	475	2290	4090	9100	9380	966	312	1340	1520	345
13	82	50	556	2230	3960	9100	8950	862	285	1160	1340	318
14	81	49	572	2170	3840	9050	8490	777	271	966	1140	292
15	81	49	612	2110	3690	9010	7980	697	274	811	965	266
16	83	50	685	2040	3530	8930	7450	627	256	726	822	241
17	83	49	738	1980	3370	8740	6900	568	235	671	704	221
18	80	48	849	1930	3190	8530	6310	514	217	687	621	206
19	76	47	954	1910	3020	8160	5740	463	201	765	557	195
20	73	63	1030	1890	2870	7740	5260	420	188	927	568	183
21	70	106	1110	1860	2730	7340	4820	384	187	970	576	171
22	68	115	1210	1810	2600	6860	4410	358	263	1030	586	159
23	73	109	1310	1740	2510	6360	4080	379	353	1170	636	150
24	77	117	1410	1690	2420	5860	3760	371	373	1260	701	142
25	75	170	1470	1650	2330	5390	3510	347	348	1280	765	134
26	71	187	1500	1670	2250	4940	3330	327	328	1260	816	127
27	67	182	1510	1800	2240	4880	3140	341	332	1210	864	119
28	63	183	1560	2020	2420	6370	2560	407	317	1160	905	152
29	61	202	1770	2210	2720	7840	2780	616	302	1100	928	405
30	59	211	2060	2330	---	8750	2600	758	350	1100	929	428
31	56	---	2240	2470	---	9320	---	779	---	1270	906	---
TOTAL	2888	2606	26245	67150	94900	210190	212870	30541	11370	35996	38239	10553
MEAN	93.2	86.9	847	2166	3272	6780	7096	985	379	1161	1234	352
MAX	173	211	2240	2580	4340	9320	10500	2440	751	1750	2200	854
MIN	56	47	187	1650	2240	2970	2600	327	187	481	557	119
CFSM	.07	.07	.67	1.72	2.60	5.38	5.63	.78	.30	.92	.98	.28
IN.	.09	.08	.77	1.98	2.80	6.21	6.28	.90	.34	1.06	1.13	.31

CAL YR 1983 TOTAL 501969 MEAN 1375 MAX 5190 MIN 47 CFSM 1.09 IN 14.82
WTR YR 1984 TOTAL 743548 MEAN 2032 MAX 10500 MIN 47 CFSM 1.61 IN 21.95

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 20...	0900	73	67	64	4.0	4.0	23.0	23.5	6.3	74
NOV 17...	0955	50	68	68	4.1	4.2	13.0	10.5	8.2	78
DEC 21...	0935	1100	72	60	3.9	4.1	10.0	5.5	8.9	79
JAN 19...	0905	1920	73	62	3.9	4.0	11.0	9.0	9.3	85
FEB 23...	0910	2530	64	57	4.0	4.0	15.0	12.5	7.4	75
MAR 28...	0920	6190	48	43	4.0	4.1	18.0	25.0	6.3	69
APR 19...	0920	5800	44	42	4.1	4.1	18.0	21.5	5.3	56
MAY 24...	0820	373	57	55	4.0	4.0	24.0	25.5	6.0	72
JUN 21...	0820	180	58	59	3.8	4.0	28.0	28.5	6.6	85
JUL 25...	0755	1280	57	56	3.8	3.9	25.0	25.5	5.6	68
AUG 23...	0800	626	58	—	3.9	3.9	25.0	20.0	5.9	72
SEP 20...	0805	185	62	60	3.9	4.0	22.0	18.5	6.5	75

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 20...	240	1.0	—	--	.7	<20	<1.0	10
NOV 17...	240	<1.0	—	—	1.8	50	<1.0	1
DEC 21...	200	1.0	—	--	—	—	<1.0	—
JAN 19...	180	1.0	—	—	.9	20	<1.0	<1
FEB 23...	220	<1.0	—	--	1.0	<20	<1.0	10
MAR 28...	260	1.0	—	—	.8	50	<1.0	<1
APR 19...	280	<1.0	—	—	1.4	20	<1.0	1
MAY 24...	300	2.0	—	—	1.1	170	<1.0	11
JUN 21...	340	<1.0	—	—	.7	<20	<1.0	8
JUL 25...	300	<1.0	—	100	.9	170	<1.0	15
AUG 23...	300	2.0	--	120	.9	230	<1.0	11
SEP 20...	280	1.0	120	—	.9	<0	<1.0	4

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT						
20...	<.02	.060	—	.020	50	23
NOV						
17...	<.02	.030	—	<.020	42	6.2
DEC						
21...	<.02	.060	—	<.020	42	6.0
JAN						
19...	<.02	.030	—	.070	42	6.4
FEB						
23...	<.02	.020	—	.030	42	7.2
MAR						
28...	<.02	.040	—	<.020	39	9.5
APR						
19...	<.02	.050	—	<.020	32	10
MAY						
24...	—	—	—	—	42	8.0
JUN						
21...	<.02	.080	—	.030	40	8.2
JUL						
25...	<.02	.030	.80	<.020	40	7.8
AUG						
23...	.05	.050	.90	<.020	42	8.5
SEP						
20...	<.02	<.020	8.0	<.020	47	13

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA.

LOCATION.--Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, near right bank on downstream side of bridge on U.S. Highway 82, 2 mi east of Alapaha, and 6 mi upstream from Willacoochee River.

DRAINAGE AREA.--663 mi^2.

PERIOD OF RECORD.--October 1969 to current year. Water-discharge records for water years 1937-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
APR 04...	0800	1400	38	35	5.9	5.6	15.0	7.3	74
JUL 27...	0900	420	47	41	6.0	6.0	23.0	6.0	70

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
APR 04...	110	13	9	4	1.9	1.0	2.2	30	.3	1.8	5.0	12
JUL 27...	110	21	11	6	2.4	1.3	2.1	25	.3	1.8	5.0	9.7

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
APR 04...	.9	6.8	<.10	3.0	55	22	208	.07	<.10	<.10	.010	<.010
JUL 27...	3.3	6.9	<.10	6.8	69	29	78	.09	.20	.15	.030	.060

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
APR 04...	1.1	--	1.1	.80	--	.040	<.010	12	270	1	1
JUL 27...	.97	.74	1.0	.80	1.2	.060	.030	15	160	1	<1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR 04...	<1	<10	1	960	7	2	10	<.1	<.1	<1	10
JUL 27...	2	<10	2	1000	10	5	46	.1	<.1	<1	23

02317500 ALAPAHA RIVER AT STATENVILLE, GA.

LOCATION.--Lat 30°42'14", long 83°02'00", Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on State Highway 94, 0.2 mi west of Statenville.

DRAINAGE AREA.--1,400 mi^2, approximately.

PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 822: 1936, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft upstream at datum 2.10 ft higher. Dec. 10, 1931, to Nov. 30, 1949, nonrecording gage at site 200 ft upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--53 years (1931-84), 1,064 ft^3/s, 10.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,300 ft^3/s Apr. 6, 1948, gage height, 29.8 ft, from graph based on gage readings; minimum, 16 ft^3/s Nov. 13, 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 30	1300	3720	15.41	Mar. 30	0300	8680	25.61
Feb. 5	2200	11700	26.90	May 3	1200	4420	17.59
Mar. 10	0600	*12700	27.61	May 17	1900	2920	12.71

Minimum discharge, 45 ft^3/s Nov. 5-7, 18-20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	48	185	3640	5920	3930	7360	3850	710	219	956	409
2	70	48	177	3670	6300	3670	6620	4260	726	224	1100	418
3	69	47	177	3620	7190	3310	6150	4400	832	253	1120	392
4	69	47	221	3490	9730	3090	6280	4150	949	266	1100	344
5	69	46	233	3350	11500	3090	6410	3410	1090	346	1070	306
6	72	45	263	3260	11400	4410	6430	2470	1280	403	1060	270
7	70	45	349	3190	10600	6460	6380	1760	1470	493	1110	243
8	69	48	443	3110	9660	8190	6160	1310	1640	557	1190	224
9	68	48	534	3050	8780	11300	5770	1060	1740	587	1290	209
10	68	48	618	2990	7870	12600	5310	1000	1780	616	1410	195
11	69	47	748	2960	6910	11900	4880	1110	1740	631	1540	182
12	72	47	1140	2920	6270	11800	4440	1290	1570	628	1650	173
13	72	47	1250	2830	5380	12300	3890	1530	1270	562	1680	166
14	77	47	1320	2650	4350	11900	3360	1860	908	469	1610	164
15	69	46	1380	2430	3460	10800	2980	2260	671	469	1430	161
16	66	47	1440	2170	2910	9630	2750	2650	526	438	1130	157
17	63	46	1490	1950	2590	8770	2610	2880	425	360	849	149
18	61	45	1630	1770	2370	8070	2510	2840	359	378	713	140
19	59	45	1820	1680	2220	7380	2420	2530	311	506	599	131
20	58	62	2040	1590	2110	6640	2300	2020	272	730	513	122
21	57	76	2450	1530	2020	6120	2100	1460	252	966	535	115
22	57	64	2950	1480	1960	5200	1830	1060	286	1220	470	109
23	59	64	3310	1490	1970	4180	1620	848	242	1500	443	103
24	58	83	3430	1560	1940	3210	1430	711	228	1700	524	98
25	56	179	3360	1750	1910	2840	1260	611	243	1750	579	94
26	55	189	3180	2010	1860	2770	1240	553	236	1500	623	91
27	53	213	2980	3390	2570	3300	1400	534	219	1230	735	87
28	52	196	2910	4390	3830	6480	1780	569	206	1130	749	109
29	51	193	3390	4840	3980	8260	2450	645	201	1060	638	129
30	50	191	3710	5270	---	8620	3210	724	229	983	515	104
31	49	---	3680	5620	---	8190	---	745	---	920	430	---
TOTAL	1959	2397	52808	89650	149560	218410	113330	57100	22611	23094	29361	5594
MEAN	63.2	79.9	1703	2892	5157	7045	3778	1842	754	745	947	186
MAX	77	213	3710	5620	11500	12600	7360	4400	1780	1750	1680	418
MIN	49	45	177	1480	1860	2770	1240	534	201	219	430	87
CFSM	.05	.06	1.22	2.07	3.68	5.03	2.70	1.32	.54	.53	.68	.13
IN.	.05	.06	1.40	2.38	3.97	5.80	3.01	1.52	.60	.61	.78	.15

CAL YR 1983 TOTAL 683573 MEAN 1873 MAX 9120 MIN 45 CFSM 1.34 IN 18.16
WTR YR 1984 TOTAL 765874 MEAN 2093 MAX 12600 MIN 45 CFSM 1.50 IN 20.35

02317718 NEW RIVER NEAR TIFTON, GA.

LOCATION.--Lat 31°26'33", long 83°28'33", Tift County, Hydrologic Unit 03110203, at bridge on U.S. Highway 82, 1.6 mi east of Tifton.

DRAINAGE AREA.--10.4 mi^2.

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 18...	0700	3.6	—	791	7.6	7.8	23.0	18.0	6.8	80
NOV 15...	0820	3.6	—	826	7.7	8.0	19.0	17.0	8.1	89
DEC 19...	0805	33	195	172	6.9	7.1	12.0	7.5	8.9	84
JAN 17...	0755	14	205	194	7.0	7.1	10.0	9.5	9.7	87
FEB 21...	0815	13	318	300	7.2	7.5	15.5	12.5	8.6	88
MAR 26...	0655	13	236	221	7.2	7.4	17.0	9.5	7.2	76
APR 17...	0800	10	362	356	7.3	7.5	17.0	13.5	8.2	87
MAY 22...	0655	3.7	—	576	7.5	7.7	24.0	23.5	7.7	93
JUN 19...	0650	3.4	—	756	7.7	7.9	25.5	24.5	7.0	87
JUL 17...	0700	4.1	—	607	7.6	7.8	27.0	26.0	6.7	86
AUG 21...	0715	5.5	450	429	7.3	7.5	26.0	21.5	5.6	70
SEP 18...	0625	4.1	—	845	7.6	7.9	23.0	17.5	7.2	85

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	20	17	1.4	1300	159	23	3.0	.050	4.00	7.5
NOV 15...	10	2.0	2.2	170	172	2	3.2	.070	4.76	7.0
DEC 19...	100	12	—	490	29	<1	1.7	.070	.680	8.9
JAN 17...	40	8.0	.8	<20	29	<1	2.1	.090	.700	7.7
FEB 21...	50	7.0	1.6	170	52	3	3.8	.100	1.45	8.3
MAR 26...	75	9.0	2.0	130	41	2	1.8	.080	1.15	9.9
APR 17...	50	11	2.0	20	61	5	2.8	.090	1.72	5.2
MAY 22...	10	5.0	—	80	121	<1	4.0	.040	4.00	6.7
JUN 19...	10	1.0	.6	80	149	1	2.3	.070	5.24	5.2
JUL 17...	20	3.0	.8	700	134	8	3.2	.060	4.50	1.8
AUG 21...	50	26	2.0	790	89	8	2.0	.200	2.60	6.1
SEP 18...	10	3.0	.1	80	159	<1	2.8	.080	5.40	5.2

02317749 WITHLACOOCHEE RIVER ABOVE VALDOSTA, GA.

LOCATION.--Lat 30°55'57", long 83°17'22", Lowndes County, Hydrologic Unit 03110203, at county highway bridge, 1.5 mi upstream from Bay Branch, and 7 mi north of Valdosta.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
20...	1345	13	170	170	6.8	6.8	22.0	28.0	6.4	74
NOV										
17...	1450	28	180	—	6.9	7.2	13.0	17.0	8.2	78
DEC										
21...	1430	1570	52	49	5.3	5.4	10.5	8.0	8.7	78
JAN										
19...	1410	420	80	74	6.2	6.3	11.0	9.0	10.0	91
FEB										
23...	1420	540	62	58	6.1	6.2	14.5	19.0	8.8	88
MAR										
28...	1415	2400	29	28	5.4	5.3	17.5	26.5	7.0	76
APR										
19...	1415	450	55	52	6.0	6.1	17.0	28.0	7.4	77
MAY										
24...	1240	75	86	84	6.3	6.6	22.5	30.5	5.9	69
JUN										
21...	1250	17	126	130	6.5	6.9	27.0	35.0	5.9	75
JUL										
25...	1240	170	78	77	6.4	6.9	25.0	32.0	6.5	79
AUG										
23...	1340	125	89	88	6.4	6.8	24.0	31.0	6.3	76
SEP										
20...	1340	15	170	170	6.8	7.2	22.5	29.0	6.5	76

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
20...	85	4.0	.4	60	19	.19	.050	.260	12
NOV									
17...	50	2.0	1.5	20	26	.16	.040	.290	8.8
DEC									
21...	120	6.0	—	—	4.0	.04	.060	.120	21
JAN									
19...	100	4.0	1.4	20	8.0	.21	.050	.120	15
FEB									
23...	140	5.0	1.6	130	9.0	.09	.080	.140	21
MAR									
28...	140	36	2.5	7900	4.0	.20	.060	.220	19
APR									
19...	160	10	1.5	50	8.0	.20	.100	.180	16
MAY									
24...	120	10	1.3	200	12	.36	.190	.300	13
JUN									
21...	90	2.0	.5	<20	19	.37	.070	.200	9.4
JUL									
25...	170	5.0	1.2	50	14	.20	.040	.270	25
AUG									
23...	140	10	1.1	110	13	.35	.060	.330	15
SEP									
20...	80	5.0	1.2	70	31	.23	.040	.400	13

02317749 WITHLACOOCHEE RIVER NEAR VALDOSTA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)
APR 25...	1230	263	68	60	6.3	6.0	19.5
AUG 28...	1600	299	95	95	6.6	6.5	24.5

DATE	COLOR (PLATINUM-COBALT UNITS)	ALKALINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
APR 25...	200	10	9.7	6.5	72	51	18	950	30
AUG 28...	110	13	6.3	16	83	67	19	1200	20

DATE	METHYLBROMIDE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	TRICHLOROFLOUROMETHANE TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)
APR 25...	<3.0	<3.0	<3.0	<3	<3.0	<3.0	<3.0	<3.0	<3.0	—	<3.0	<3.0
AUG 28...	—	<3.0	<3.0	<3	<3.0	<3.0	<3.0	—	—	<1.0	—	<3.0

DATE	1,2-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,2-TRANSDI CHLOROETHYLENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)
APR 25...	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
AUG 28...	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	HEXACHLOROBUTADIENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)
APR 25...	--	--	--	<3.0	--	--	--	--	--	--	--	<3.0
AUG 28...	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0

02317749 WITHLACOOCHEE RIVER NEAR VALDOSTA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)
APR 25...	<3.0	--	--	--	--	--	--	<3.0	<3.0	--
AUG 28...	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0	<1.0

DATE	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)
APR 25...	--	--	--	--	--	--	--	--	--
AUG 28...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
APR 25...	--	--	--	--	--	--	--	--	--
AUG 28...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	PHENAN-THRENE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	METHO-MYL TOTAL (UG/L)	PROPHAM TOTAL (UG/L)	SEVIN, TOTAL (UG/L)
APR 25...	--	--	--	--	--	--	--	--	--
AUG 28...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<.5	<.5	<.50

02317757 WITHLACOOCHEE RIVER NEAR VALDOSTA, GA.

LOCATION.--Lat 30°51'00", long 83°20'23", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 94, 0.8 mi upstream from Little River, and 4 mi northwest of Valdosta.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Streamflow includes return flow by city of Valdosta. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
20...	1305	8.4	200	195	6.8	6.8	21.5	28.0	4.4	50
NOV										
17...	1415	7.9	103	105	6.8	7.1	11.5	20.5	7.7	71
DEC										
21...	1350	2250	48	43	5.3	5.4	10.5	8.5	8.8	79
JAN										
19...	1315	348	80	75	6.3	6.4	10.5	8.0	10.0	90
FEB										
23...	1315	620	63	59	6.2	6.3	14.5	18.0	8.3	83
MAR										
28...	1340	4000	29	28	5.7	5.7	17.5	28.5	6.8	74
APR										
19...	1315	585	55	52	6.0	6.2	17.0	29.0	7.1	74
MAY										
24...	1200	19	122	121	6.6	6.8	22.5	30.5	4.4	51
JUN										
21...	1200	4.2	106	108	6.6	6.9	27.0	35.0	4.6	59
JUL										
25...	1140	154	89	87	6.4	6.8	25.0	32.0	6.5	79
AUG										
23...	1250	71	72	71	6.4	6.9	24.0	32.0	6.3	76
SEP										
20...	1255	3.9	109	108	6.6	6.9	22.0	30.0	6.9	80

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
20...	40	6.0	2.8	110	30	1.3	1.88	.350	7.2
NOV									
17...	20	4.0	1.7	790	24	.84	.250	.190	4.8
DEC									
21...	120	9.0	—	—	4.0	.03	.060	.130	21
JAN									
19...	100	6.0	1.2	310	8.0	.22	.040	.130	15
FEB									
23...	150	6.0	1.0	330	8.0	.02	.070	.160	34
MAR									
28...	170	36	2.0	4900	5.0	.09	.060	.180	16
APR									
19...	180	11	1.8	130	8.0	.20	.130	.180	15
MAY									
24...	90	9.0	2.6	1700	23	.15	1.04	.320	12
JUN									
21...	40	3.0	2.8	1700	26	.52	.440	.230	4.7
JUL									
25...	140	6.0	1.6	230	15	.29	.070	.260	16
AUG									
23...	120	14	1.2	3300	12	.35	.090	.270	12
SEP									
20...	30	5.0	1.0	220	26	.79	.260	.130	3.9

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.

LOCATION.--Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, at bridge on U.S. Highway 84, 4 mi upstream from Piscola Creek, 6 mi east of Quitman, and 9 mi downstream from Little River.
DRAINAGE AREA.--1,480 mi^2.
PERIOD OF RECORD.--July 1977 to current year.
REMARKS.--Streamflow includes return flow by city of Valdosta. Laboratory chemical analyses by Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge records for water years 1929-31, 1938-48 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 20...	1150	32	105	101	6.6	6.7	21.5	26.0	6.3	72
NOV 17...	1245	21	180	185	6.8	7.1	13.0	15.0	7.2	69
DEC 21...	1225	5000	45	41	5.6	5.6	10.5	8.5	8.9	80
JAN 19...	1150	1230	74	68	6.4	6.5	7.5	10.0	10.3	86
FEB 23...	1150	1950	62	58	6.4	6.5	14.5	17.5	8.5	84
MAR 28...	1150	2850	26	25	5.8	5.9	17.0	28.0	7.6	81
APR 19...	1140	1960	53	51	6.2	6.4	17.0	29.5	7.3	76
MAY 24...	1040	120	82	81	6.5	6.7	24.0	29.0	6.9	83
JUN 21...	1040	72	94	96	6.6	6.9	28.0	33.5	7.5	97
JUL 25...	1020	1010	63	61	6.2	6.7	25.0	30.5	6.6	80
AUG 23...	1110	370	71	68	6.5	6.6	25.0	27.0	6.6	81
SEP 20...	1115	80	98	99	6.7	7.0	23.0	27.0	7.4	87

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 20...	75	5.0	.9	80	14	1.1	.070	.540	11
NOV 17...	30	4.0	1.7	<20	23	2.9	.100	1.15	6.8
DEC 21...	120	18	—	--	5.0	.04	.070	.110	16
JAN 19...	80	10	1.3	330	9.0	.39	.050	.100	14
FEB 23...	110	8.0	1.4	700	9.0	.17	.320	.100	15
MAR 28...	200	100	2.1	17000	5.0	.09	.050	.290	19
APR 19...	140	16	1.8	40	10	.27	.100	.120	13
MAY 24...	110	14	.9	70	13	.80	.160	.340	15
JUN 21...	90	7.0	.7	50	19	1.3	.050	.430	7.3
JUL 25...	160	16	.9	1100	9.0	.29	.050	.130	17
AUG 23...	110	10	.9	110	12	.46	.060	.240	11
SEP 20...	60	6.0	.6	50	16	.87	.050	.340	8.0

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

LOCATION.--Lat 30°45'32", long 83°33'45", Brooks County, Hydrologic Unit 03110203, at bridge on State Highway 33, 3.0 mi north of Quitman.
DRAINAGE AREA.--269 mi^2, approximately.
PERIOD OF RECORD.--December 1979 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 110 ft, from topographic map.
REMARKS.--Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,800 ft^3/s Mar. 7, 1984, gage height, 16.68 ft. No flow at times most years.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 20	0100	1500	11.61	Mar. 29	1900	4670	13.76
Jan. 30	0300	4020	13.42	Apr. 5	2000	3620	13.21
Mar. 2	0900	1490	11.60	Aug. 3	0200	1360	11.43
Mar. 7	2100	*11800	16.68				

Minimum discharge, no flow Nov. 13-19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.36	.18	92	975	1890	1260	1610	227	116	2.9	901	66
2	.29	.13	106	985	1310	1460	1050	137	100	3.1	1260	49
3	.23	.10	106	881	935	1190	909	101	70	9.1	1300	37
4	.18	.08	99	738	1020	907	2540	84	63	5.2	1090	29
5	.15	.06	88	606	1090	717	3320	71	67	8.7	832	25
6	.12	.04	85	472	1130	3660	3310	61	63	11	619	23
7	.10	.03	110	365	1140	10400	2520	53	44	14	429	24
8	.08	.03	98	296	1090	9570	1640	44	29	15	291	22
9	.12	.03	94	254	902	5510	1310	39	21	13	200	18
10	4.2	.02	107	238	712	3330	1100	34	17	10	141	16
11	7.4	.02	164	228	564	2100	947	30	13	7.8	108	22
12	5.1	.01	448	211	462	1300	921	29	11	6.4	88	22
13	3.7	.00	475	202	408	885	877	31	8.3	5.2	73	18
14	4.5	.00	535	200	381	666	743	30	6.6	7.6	64	13
15	3.9	.00	622	197	358	512	587	25	5.5	28	61	11
16	3.7	.00	657	195	356	420	459	21	4.5	47	63	8.5
17	3.0	.00	629	195	367	356	343	18	3.7	52	70	6.7
18	2.2	.00	605	200	385	309	259	15	3.0	41	135	5.2
19	1.6	.00	1190	234	367	273	199	13	2.4	34	214	4.2
20	1.2	.93	1310	245	317	243	162	11	1.9	40	550	3.4
21	.96	7.0	873	250	271	316	137	9.1	1.5	53	751	2.7
22	.92	4.7	684	256	251	383	119	7.8	1.5	70	696	2.3
23	.81	3.4	566	303	268	482	113	7.2	1.0	114	614	1.8
24	.71	35	479	390	271	598	110	9.4	.82	118	562	1.5
25	.63	244	396	480	260	661	101	14	.65	126	711	1.2
26	.62	125	324	547	262	532	115	20	.55	107	651	1.0
27	.51	80	270	1050	653	826	463	23	.44	92	405	.83
28	.42	72	247	1990	1070	3210	1070	20	.59	101	229	.73
29	.35	90	486	3380	1050	3980	754	26	1.0	97	143	.69
30	.28	84	744	3680	---	4220	432	46	2.9	140	107	.61
31	.23	---	844	2660	---	2660	---	87	---	413	85	---
TOTAL	48.57	746.76	13533	22913	19540	62936	28220	1343.5	660.85	1792.0	13443	436.36
MEAN	1.57	24.9	437	739	674	2030	941	43.3	22.0	57.8	434	14.5
MAX	7.4	244	1310	3680	1890	10400	3320	227	116	413	1300	66
MIN	.08	.00	85	195	251	243	101	7.2	.44	2.9	61	.61
CFSM	.006	.09	1.63	2.75	2.51	7.55	3.50	.16	.08	.22	1.61	.05
IN.	.01	.10	1.87	3.17	2.70	8.70	3.90	.19	.09	.25	1.86	.06

CAL YR 1983 TOTAL 132860.21 MEAN 364 MAX 5740 MIN .00 CFSM 1.35 IN 18.37
WTR YR 1984 TOTAL 165613.04 MEAN 452 MAX 10400 MIN .00 CFSM 1.68 IN 22.90

02318725 OKAPILCO CREEK AT QUITMAN, Ga.

(Formerly published as Okapilco Creek near Quitman)

LOCATION.--Lat 30°47'10", long 83°31'33", Brooks County, Hydrologic Unit 03110203, at U.S. Highways 84 and 221, 1.8 mi east of Quitman.

DRAINAGE AREA.--278 mi^2, approximately.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
20...	1220	2.4	197	195	7.2	7.1	21.0	26.5	2.6	29
NOV										
17...	1325	1.4	470	481	8.0	7.9	13.5	17.0	8.5	82
DEC										
21...	1250	1060	46	42	5.7	5.7	10.5	8.0	8.9	80
JAN										
19...	1225	232	76	70	6.2	6.2	10.5	8.5	9.3	83
FEB										
23...	1225	287	66	62	6.2	6.5	14.0	17.5	7.8	77
MAR										
28...	1235	3290	25	25	5.9	6.0	17.5	27.0	6.7	72
APR										
19...	1225	276	54	52	6.2	6.4	17.0	29.5	7.0	73
MAY										
24...	1120	15	162	152	6.7	6.9	22.5	29.0	2.6	30
JUN										
21...	1120	3.1	129	127	6.5	7.0	27.0	34.0	2.0	25
JUL										
25...	1100	136	72	69	—	6.6	24.5	30.5	6.0	72
AUG										
23...	1145	650	47	46	5.8	6.2	23.5	31.0	6.0	71
SEP										
20...	1150	6.3	153	150	6.7	7.0	22.0	28.5	5.1	59

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
20...	80	10	7.6	1100	61	.12	3.40	1.95	14
NOV									
17...	45	18	>9.6	4900	169	.02	9.50	[illegible]	16
DEC									
21...	140	33	—	—	5.0	.12	.080	.140	14
JAN									
19...	70	9.0	1.6	330	7.0	.63	.130	.100	12
FEB									
23...	110	10	1.5	1700	9.0	.27	.310	.190	14
MAR									
28...	250	140	2.6	13000	6.0	.14	.080	.370	21
APR									
19...	150	26	2.0	220	8.0	.36	.170	.160	9.6
MAY									
24...	95	14	4.0	4900	30	1.0	2.30	1.22	13
JUN									
21...	100	8.0	3.0	130	29	.22	.860	.790	11
JUL									
25...	140	25	1.8	790	9.0	.51	.350	.320	13
AUG									
23...	200	26	1.8	330	[illegible]	.15	.090	.180	17
SEP									
20...	85	21	6.2	3300	33	.57	.950	.670	15

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 31, 4.3 mi south of Clyattville.

DRAINAGE AREA.--2,030 mi^2, approximately.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Streamflow includes return flow by city of Valdosta. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
20...	1040	157	185	179	7.5	7.6	21.5	25.0	4.6	52
NOV										
17...	1130	124	229	238	7.7	8.0	15.5	12.5	6.3	63
DEC										
21...	1115	5200	48	44	5.8	5.8	10.5	9.0	8.9	80
JAN										
19...	1045	1920	85	78	6.8	6.9	10.5	9.0	9.8	88
FEB										
23...	1050	3110	73	67	6.7	7.0	14.5	16.0	8.0	80
MAR										
28...	1055	9200	—	35	6.1	6.4	17.5	25.5	6.9	74
APR										
19...	1050	4260	67	64	6.6	6.8	17.0	26.0	6.5	68
MAY										
24...	0955	458	168	164	7.3	7.6	21.5	29.0	5.0	57
JUN										
21...	0955	264	197	200	7.4	7.7	24.5	31.5	5.4	66
JUL										
25...	0930	1960	73	72	.4	7.1	25.0	29.5	6.2	75
AUG										
23...	1010	1320	78	75	6.8	7.0	24.0	23.5	5.7	68
SEP										
20...	1115	252	—	183	7.3	7.7	22.0	26.0	5.1	59

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
20...	40	2.0	.5	<20	72	6	.39	.050	.190	5.3
NOV										
17...	10	1.0	1.4	20	97	1	.35	.050	.190	2.5
DEC										
21...	120	19	—	—	5.0	—	.07	.150	.120	16
JAN										
19...	80	7.0	1.4	40	16	2	.39	.050	.080	11
FEB										
23...	110	6.0	1.3	80	16	6	.19	.090	.100	13
MAR										
28...	120	50	2.0	7900	8.0	38	.12	.110	.230	19
APR										
19...	120	15	1.4	20	16	8	.22	.110	.110	9.7
MAY										
24...	45	7.0	.5	40	64	6	.38	.040	.140	7.1
JUN										
21...	35	3.0	.3	20	79	2	.41	.030	.130	3.6
JUL										
25...	140	15	1.0	20	15	28	.38	.080	.160	13
AUG										
23...	120	19	1.3	790	21	11	.33	.060	.200	13
SEP										
20...	30	3.0	.5	20	71	3	.33	.040	.120	3.9

02327205 OCHLOCKONEE RIVER NEAR MOULTRIE, GA.

LOCATION.--Lat 31°08'31", long 83°48'13", Colquitt County, Hydrologic Unit 03120002, at bridge on county road 1 mi from U.S. Highway 319, and 3.0 mi south of Moultrie.

DRAINAGE AREA.--103 mi^2.

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
19...	0720	4.0	—	658	6.3	6.4	20.0	18.5	2.2	24
NOV										
16...	0740	3.5	—	1090	6.8	7.1	14.0	8.5	1.7	17
DEC										
20...	0835	190	96	88	6.0	6.3	10.5	9.0	7.5	68
JAN										
18...	0755	112	113	105	6.2	6.5	12.0	10.0	8.5	80
FEB										
22...	0755	112	100	94	6.6	6.7	13.0	11.0	7.8	75
MAR										
27...	0740	630	56	53	6.3	6.4	16.0	16.0	7.7	80
APR										
18...	0800	84	97	93	6.4	6.5	14.0	15.0	6.8	67
MAY										
23...	0650	10	375	373	6.6	6.8	24.0	22.0	1.2	14
JUN										
20...	0700	3.6	—	833	7.1	7.5	26.5	26.5	4.2	53
JUL										
18...	0700	15	364	366	6.7	6.8	25.0	25.0	3.8	47
24...	0650	109	95	95	6.1	6.4	23.0	23.0	5.0	59
AUG										
22...	0700	90	121	120	6.4	6.6	23.5	23.0	4.8	57
SEP										
19...	0700	6.8	500	491	6.9	7.1	21.0	20.5	5.0	57

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
19...	30	5.0	2.5	330	14	<1	—	.800	1.98	10
NOV										
16...	25	3.0	7.5	140	66	2	2.9	2.25	3.50	13
DEC										
20...	100	10	—	330	10	<1	.78	.300	.230	11
JAN										
18...	60	6.0	1.5	80	7.0	<1	1.3	.600	.260	8.7
FEB										
22...	90	9.0	3.0	3300	10	5	.86	.120	.260	12
MAR										
27...	110	30	22	4600	8.0	35	.37	.140	.220	15
APR										
18...	140	25	3.8	490	11	12	1.1	.280	.310	9.8
MAY										
23...	90	29	6.4	3500000	32	14	4.4	.140	1.04	18
JUN										
20...	20	2.0	4.5	700	61	2	9.7	.120	2.13	8.0
JUL										
18...	55	7.0	3.5	—	31	10	5.8	.370	1.11	9.2
24...	110	20	3.0	460	11	3	.82	.110	.350	13
AUG										
22...	140	12	2.5	950	15	4	1.1	.190	.450	14
SEP										
19...	50	5.0	4.5	490	39	7	4.2	.100	1.50	8.7

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA.

LOCATION.--Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at bridge on U.S. Highway 84, 2 mi upstream from Seaboard Coast Line Railroad bridge, 4 mi upstream from Barnetts Creek, 5 mi northwest of Thomasville, and 6 mi downstream from Little Ochlockonee River.

DRAINAGE AREA.--550 mi², approximately.

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Records of discharge for the water years 1937-71 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
19...	0835	44	278	234	7.1	7.1	21.0	22.0	4.5	51
NOV										
16...	0850	25	315	337	--	7.5	14.0	10.5	4.3	42
DEC										
20...	0950	2740	51	46	6.0	6.2	11.0	11.5	9.0	82
JAN										
18...	0910	595	88	82	6.5	6.6	9.5	15.0	10.1	89
FEB										
22...	0915	740	78	73	6.8	6.6	14.0	14.0	8.4	83
MAR										
27...	0855	950	64	61	6.4	6.5	17.0	16.5	6.9	73
APR										
18...	0925	760	71	70	6.4	6.6	16.0	20.0	6.8	70
MAY										
23...	0810	140	88	87	6.4	6.7	22.0	24.0	5.7	66
JUN										
20...	0815	46	211	217	--	7.8	26.0	30.5	3.6	45
JUL										
18...	0810	220	88	87	6.5	6.6	25.0	25.0	5.2	64
24...	0810	355	101	99	6.4	6.8	24.0	28.5	5.7	68
AUG										
22...	0820	1070	91	87	7.4	7.4	24.0	24.5	5.5	66
SEP										
19...	0820	52	132	145	6.5	6.9	21.5	20.5	4.5	52

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
19...	80	16	2.2	2200	41	1.2	.220	.930	13
NOV									
16...	50	9.0	2.8	490	52	2.3	1.35	1.66	9.5
DEC									
20...	140	27	--	2200	10	.18	.070	.150	12
JAN									
18...	60	10	1.2	3300	10	.63	.210	.200	8.9
FEB									
22...	100	10	1.2	330	12	.48	.150	.200	11
MAR									
27...	110	15	1.6	330	14	.33	.150	.160	15
APR									
18...	120	19	.9	1200	13	.44	.180	.200	9.8
MAY									
23...	200	70	2.8	28000	16	.50	.290	.310	14
JUN									
20...	90	10	1.6	1300	36	1.4	.450	.720	7.9
JUL									
18...	120	40	1.6	--	14	.59	.230	.310	9.9
24...	110	19	1.4	1300	14	.65	.150	.260	11
AUG									
22...	180	35	2.1	49000	26	.22	.150	.330	13
SEP									
19...	85	10	1.3	3100	29	.54	.570	.490	8.7

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.

LOCATION.--Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at county highway bridge, 1.5 mi downstream from Tired Creek, and 6.5 mi east of Calvary.

DRAINAGE AREA.--930 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Solids, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
19...	0930	160	297	296	7.2	7.2	21.0	22.5	7.1	80
NOV										
16...	0930	69	250	256	7.1	7.6	13.0	10.5	8.5	81
DEC										
20...	1030	3400	88	80	6.1	6.3	11.0	13.5	8.6	78
JAN										
18...	0950	1050	121	112	6.6	6.8	9.5	15.0	10.3	91
FEB										
22...	0955	1770	87	81	6.4	6.8	14.0	14.0	8.3	82
MAR										
27...	1035	2340	66	62	6.3	6.5	17.0	21.0	6.6	70
APR										
18...	1010	2090	67	63	6.4	6.5	16.0	20.5	6.6	68
MAY										
23...	0850	340	136	132	6.6	7.0	22.0	24.5	6.4	74
JUN										
20...	0855	157	145	148	--	7.7	26.0	31.0	5.4	67
JUL										
18...	0850	570	119	117	6.6	6.7	25.0	25.5	5.9	72
24...	0850	859	180	181	6.4	6.8	24.5	29.0	5.8	70
AUG										
22...	0900	1450	57	56	6.4	6.5	24.0	26.0	6.0	72
SEP										
19...	0900	161	145	141	6.6	7.2	21.5	20.5	6.4	73

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
19...	[illegible]	17	--	1.3	4900	28	5	1.8	.100	--	.620	13
NOV												
16...	55	7.0	--	1.3	130	32	4	1.3	.200	--	.590	7.0
DEC												
20...	150	31	--	--	2200	6.0	<1	.26	.080	--	.180	11
JAN												
18...	55	8.0	--	.7	20	10	<1	.51	.160	--	.130	8.5
FEB												
22...	80	10	--	1.1	330	12	2	.38	.150	--	.140	8.8
MAR												
27...	120	16	--	1.2	130	10	3	.32	.120	--	.130	14
APR												
18...	110	20	--	1.0	70	11	6	.40	.130	--	.130	8.4
MAY												
23...	90	19	--	1.1	150	22	<1	1.0	.260	--	.300	11
JUN												
20...	80	12	--	.7	20	26	5	1.2	.100	--	.330	6.1
JUL												
18...	140	27	25	1.0	--	16	72	1.1	.110	.50	.280	11
24...	120	22	37	1.4	490	12	7	.37	.080	.40	.200	9.8
AUG												
22...	120	26	37	1.4	790	9.0	15	.34	.060	.40	.200	12
SEP												
19...	80	14	23	1.2	35	25	6	1.2	.160	.50	.300	7.8

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.

LOCATION.--Lat 34°42'03", long 83°43'44", White County, Hydrologic Unit 03130001, on downstream side of bridge on Georgia Highways 17 and 75 at Helen, and 1.1 mi downstream from Smith Creek.

DRAINAGE AREA.--44.7 mi².

PERIOD OF RECORD.--May 1961 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.--Water-stage recorder. Datum of gage is 1,404.04 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation at low flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,260 ft³/s Feb. 2, 1983, gage height, 5.54 ft; minimum daily discharge, 28 ft³/s Oct. 7, 8, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 23, 1967, reached a discharge of 11,000 ft³/s from contracted-opening computation at highway bridge 2 mi downstream at a drainage area of 46.2 mi².

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 28	0730	1350	3.59	May 8	0130	1280	3.47
Mar. 20	2000	*1410	3.69				

Minimum daily discharge, 37 ft³/s Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	41	130	153	154	263	241	263	172	100	344	81
2	38	40	114	146	149	238	228	271	165	132	319	79
3	39	40	300	140	155	222	261	698	159	108	245	77
4	41	44	597	136	150	211	598	519	153	100	194	78
5	53	40	259	133	145	231	437	381	149	98	179	74
6	41	40	536	130	140	214	344	337	143	117	161	72
7	38	40	314	123	134	201	304	318	140	119	145	71
8	38	40	234	119	132	192	274	740	136	97	135	70
9	38	40	193	116	131	183	468	460	132	89	126	69
10	37	48	170	219	157	178	379	388	128	85	120	67
11	39	43	461	202	156	175	335	353	126	83	122	66
12	57	40	402	160	148	172	303	328	143	80	125	64
13	120	40	270	147	643	189	280	305	138	125	141	63
14	59	42	235	140	658	174	268	287	136	156	130	61
15	48	138	200	135	326	168	250	272	129	103	114	60
16	43	74	181	132	263	171	242	257	123	118	109	58
17	42	58	166	127	233	177	234	246	127	109	106	57
18	41	52	157	172	216	180	224	236	117	170	103	57
19	41	49	150	162	206	172	225	229	112	107	100	57
20	40	122	143	145	196	464	271	223	110	98	97	56
21	39	97	143	136	188	486	255	222	127	97	96	54
22	40	74	163	130	183	283	322	267	124	104	93	53
23	117	87	144	134	239	230	350	234	112	99	92	52
24	69	324	129	341	209	216	283	211	112	89	89	53
25	55	160	120	250	193	218	254	204	104	97	88	52
26	49	113	110	210	182	200	238	219	98	102	86	50
27	45	118	116	195	368	197	294	199	98	97	87	50
28	43	565	366	181	514	670	264	221	111	135	103	52
29	42	239	243	174	314	439	247	203	139	224	92	53
30	41	159	183	166	---	312	286	184	113	643	87	65
31	41	---	164	159	---	267	---	179	---	342	83	---
TOTAL	1513	3007	7093	5015	6882	7493	8959	9454	3876	4223	4111	1871
MEAN	48.8	100	229	162	237	242	299	305	129	136	133	62.4
MAX	120	565	597	341	658	486	598	740	172	643	344	81
MIN	37	40	110	116	131	168	224	179	98	80	83	50
CFSM	1.09	2.24	5.14	3.63	5.31	5.43	6.70	6.84	2.89	3.05	2.98	1.40
IN.	1.26	2.51	5.92	4.18	5.74	6.25	7.47	7.89	3.23	3.52	3.43	1.56

CAL YR 1983 TOTAL 62318 MEAN 171 MAX 1230 MIN 37 CFSM 3.83 IN 51.98
WTR YR 1984 TOTAL 63497 MEAN 173 MAX 740 MIN 37 CFSM 3.88 IN 52.96

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.

LOCATION.--Lat 34°32'27", long 83°37'14", Habersham-White County line, Hydrologic Unit 03130001, on downstream side of highway bridge, 1 mi downstream from Soque River, 6 mi northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.--315 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1957 to current year.

REVISED RECORDS.--WSP 2106: 1963(M).

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Some regulation at low flow from Habersham Mill powerplant.

AVERAGE DISCHARGE.--27 years, 861 ft^3/s, 37.12 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft^3/s Mar. 12, 1963, gage height, 20.55 ft, from rating curve extended above 13,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum daily, 91 ft^3/s Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	0330	*10100	9.26	May 3	1800	9340	8.73
Dec. 6	1100	8860	8.40	May 8	0600	9790	9.03
Feb. 14	0330	6480	6.67				

Minimum daily discharge, 203 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	320	370	795	935	876	1250	1120	1460	1040	757	2590	588
2	221	337	709	892	862	1160	1090	1320	1010	737	1840	581
3	378	342	2620	871	875	1100	1210	5200	990	815	1500	578
4	320	376	5900	845	882	1050	1920	3460	984	717	1240	621
5	340	295	1690	818	833	1130	1820	1960	945	729	1130	606
6	312	247	4790	802	841	1110	1410	1670	931	901	1080	541
7	331	372	1960	770	794	1040	1280	1610	923	1290	999	564
8	349	354	1380	736	778	994	1200	5410	901	875	952	475
9	203	323	1170	765	781	967	1970	2250	882	778	996	509
10	320	336	1050	1120	802	954	1740	1820	863	707	898	577
11	284	333	2210	1370	904	936	1430	1640	877	670	922	555
12	345	277	2500	1000	830	937	1310	1530	862	652	910	498
13	1270	237	1430	895	2570	1030	1250	1450	936	906	959	507
14	797	376	1230	843	3900	973	1220	1400	919	1220	961	499
15	492	833	1100	835	1700	922	1170	1340	863	899	851	416
16	413	714	1000	837	1350	930	1140	1300	836	1000	847	451
17	443	550	921	788	1210	944	1120	1270	945	1350	833	483
18	382	511	886	1080	1110	969	1080	1240	859	2500	771	469
19	355	378	871	1270	1050	959	1080	1210	789	1160	774	447
20	359	568	825	996	1050	1300	1240	1180	783	945	760	445
21	360	814	806	881	986	2570	1250	1190	831	899	725	441
22	309	617	1020	858	958	1380	1410	1460	939	870	716	351
23	669	550	906	856	1140	1180	1890	1510	828	849	704	409
24	726	2250	830	2240	1080	1090	1370	1220	803	762	687	482
25	543	1270	807	1660	1010	1130	1230	1160	813	743	665	445
26	453	869	790	1230	962	1060	1160	1170	720	857	635	405
27	395	727	785	1110	1930	1020	1330	1180	725	946	692	393
28	388	2360	2650	1020	2080	1580	1360	1250	734	1430	742	409
29	324	1390	1690	977	1470	1680	1260	1260	890	1650	701	342
30	285	920	1170	930	---	1320	1390	1120	845	3460	675	440
31	396	---	1030	895	---	1190	---	1070	---	2280	660	---
TOTAL	13082	19896	47521	31126	35614	35855	40450	53310	26266	34354	29415	14527
MEAN	422	663	1533	1004	1228	1157	1348	1720	876	1108	949	484
MAX	1270	2360	5900	2240	3900	2570	1970	5410	1040	3460	2590	621
MIN	203	237	709	736	778	922	1080	1070	720	652	635	342
CFSM	1.34	2.11	4.87	3.19	3.90	3.67	4.28	5.46	2.78	3.52	3.01	1.54
IN.	1.54	2.35	5.61	3.68	4.21	4.23	4.78	6.30	3.10	4.06	3.47	1.72

CAL YR 1983 TOTAL 337976 MEAN 926 MAX 6760 MIN 194 CFSM 2.94 IN 39.91
WTR YR 1984 TOTAL 381416 MEAN 1042 MAX 5900 MIN 203 CFSM 3.31 IN 45.04

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV 09...	1130	324	30	27	7.4	7.1	11.0	23.0	11.1	104
JAN 11...	1115	1340	26	24	7.1	6.8	7.0	15.5	9.6	81
MAR 14...	1400	972	20	24	7.1	6.7	11.0	25.0	10.8	102
MAY 10...	1200	1840	23	20	6.8	7.0	13.0	24.5	10.8	106
JUL 18...	1030	2770	25	28	6.9	6.7	20.5	25.0	8.5	98
SEP 12...	0800	491	27	26	7.2	7.0	19.0	23.0	8.4	93

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 09...	5.0	.7	70	10	.20	.070	<.020	1.3
JAN 11...	30	1.4	1300	9.0	.38	.130	.050	4.1
MAR 14...	6.0	.8	50	8.0	.24	.040	<.020	<1.0
MAY 10...	21	.8	490	7.0	.17	.040	.030	1.4
JUL 18...	130	2.2	79000	8.0	.37	.090	.260	9.6
SEP 12...	6.0	1.0	170	10	.20	.050	<.020	1.3

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV 07...	1450	438	11.5	10	12
DEC 19...	1320	848	7.0	5	11
JAN 30...	1415	960	9.0	8	20
MAR 12...	1310	932	7.0	7	18
APR 23. .	1600	1680	14.0	36	163
JUL 16...	1110	901	23.0	65	109
AUG 28...	1415	775	22.0	16	33

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, on left bank 250 ft upstream from Bearden Bridge on State Highway 52, 2 mi downstream from Ballplay Creek, 2.5 mi east of Dahlonega, and 3.5 mi upstream from Yahoola Creek.

DRAINAGE AREA.--153 mi².

PERIOD OF RECORD.--June 1929 to January 1932, April 1940 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft, National Geodetic Vertical Datum of 1929 (levels by U.S Army Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years (1929-31, 1940-84), 371 ft³/s, 32.93 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,700 ft³/s Aug. 23, 1967, gage height, 25.17 ft; minimum daily, 49 ft³/s Oct. 4, 1931, Oct. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1907 reached a stage of about 25 ft, from information by local resident. Flow increased by failure of dam above station.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 28	1100	2600	6.16	Mar. 20	2315	3690	7.83
Dec. 4	0430	3400	7.39	May 3	1745	3890	8.13
Dec. 6	0930	4250	8.63	May 8	0600	*5740	10.54
Feb. 14	0345	2670	6.27				

Minimum discharge, 111 ft³/s Oct. 10, 11, gage height, 0.88 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	126	329	419	379	602	529	636	452	287	1580	254
2	120	127	286	392	366	536	496	631	431	274	1120	245
3	117	126	1220	375	373	494	607	2750	414	287	834	242
4	123	138	2100	360	370	453	968	1680	401	274	628	240
5	141	137	769	350	351	490	888	987	390	280	533	234
6	139	128	2450	339	340	476	682	815	379	297	474	227
7	123	127	1050	323	328	441	595	771	375	425	425	223
8	115	126	671	310	325	416	549	3230	366	322	397	218
9	115	132	522	301	323	402	1030	1310	357	273	381	215
10	112	140	447	575	341	397	816	984	348	255	361	213
11	112	132	1060	646	384	389	671	845	346	246	392	210
12	135	124	1190	438	340	380	603	760	344	239	444	205
13	269	122	685	390	903	416	564	702	340	377	457	200
14	194	124	569	368	1600	387	543	649	354	702	437	197
15	147	432	489	353	728	371	516	612	338	398	349	192
16	135	263	432	342	564	381	495	581	328	319	376	186
17	130	188	399	330	496	390	485	556	318	326	331	182
18	126	168	377	500	453	394	460	535	307	933	344	179
19	126	156	357	567	429	375	467	510	297	408	341	182
20	124	346	342	424	419	955	535	493	291	337	305	181
21	123	328	331	385	394	1510	502	498	321	311	305	177
22	121	230	419	362	383	678	617	711	331	329	296	174
23	293	214	364	352	521	549	815	633	307	310	287	170
24	222	1330	332	1380	453	500	589	520	312	275	275	171
25	166	562	299	880	413	521	513	487	294	270	269	172
26	150	351	332	609	391	458	477	583	275	309	266	165
27	140	306	322	527	913	440	534	636	271	516	266	161
28	134	1270	1640	472	1330	883	516	554	267	654	308	166
29	132	666	875	436	763	959	491	644	366	873	384	170
30	129	415	563	409	---	686	609	524	341	2030	289	187
31	126	---	464	389	---	593	---	483	---	1390	275	---
TOTAL	4464	9034	21707	14303	15373	16922	18162	26310	10261	14526	13729	5938
MEAN	144	301	700	461	530	546	605	849	342	469	443	198
MAX	293	1330	2450	1380	1600	1510	1030	3230	452	2030	1580	254
MIN	112	122	286	301	323	371	460	483	267	239	266	161
CFSM	.94	1.97	4.58	3.01	3.46	3.57	3.95	5.55	2.24	3.07	2.90	1.29
IN.	1.09	2.20	5.28	3.48	3.74	4.11	4.42	6.40	2.49	3.53	3.34	1.44

CAL YR 1983 TOTAL 150885 MEAN 413 MAX 3470 MIN 105 CFSM 2.70 IN 36.69
WTR YR 1984 TOTAL 170729 MEAN 466 MAX 3230 MIN 112 CFSM 3.05 IN 41.51

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.

LOCATION.--Lat 34°09'25", long 84°04'44", Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 ft downstream from Buford Dam, 2.4 mi upstream from bridge on State Highway 20, 4 mi northwest of Buford, and at mile 348.1.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--June to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WRD GA-79-1: 1972-78 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). June 24 to Dec. 21, 1901, Jan. 27, 1942, to Dec. 3, 1944, nonrecording gage, and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder at site 2.5 mi downstream, and Jan. 1, 1948, to Sept. 30, 1971, water-stage recorder at site 2.4 mi downstream, all at different datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400.)

AVERAGE DISCHARGE.--43 years, 2,136 ft³/s, 28.15 in/yr, adjusted for storage since 1956.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft³/s Jan. 8, 1946, gage height, 32.6 ft, from floodmark, from rating curve extended above 13,000 ft³/s on basis of peak flows passing upstream and downstream stations; minimum daily, 262 ft³/s May 18, 1958.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1921, that of Jan. 8, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,290 ft³/s Nov. 2, gage height, 6.06 ft; minimum daily discharge, 474 ft³/s Mar. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	902	2470	1180	836	5370	3710	830	4990	3760	830	2500	498
2	919	2500	1180	3310	5390	3880	3680	4990	501	1770	2370	833
3	1390	2470	1260	3320	5380	497	3670	809	848	1860	4990	1800
4	1670	2470	1220	3320	492	799	3680	4740	4160	1860	3490	1790
5	2070	1260	1170	3320	824	2280	3680	3700	3750	1870	2070	1800
6	1340	1250	1590	3330	1710	3280	3710	3700	3750	1850	5330	1790
7	1350	2450	1300	490	1690	3690	509	4610	3760	500	5350	1800
8	910	2460	1250	818	1690	3690	323	4520	3750	835	5340	498
9	911	1800	1210	2840	1690	3700	4660	6700	501	2200	5340	836
10	1210	2470	1180	2870	1690	474	5670	6630	843	2190	5360	2370
11	1200	2460	607	2890	490	805	5660	6660	2110	2200	496	3080
12	3740	1240	1180	2870	818	3660	5610	5060	2120	2200	918	3640
13	1200	1250	1160	2880	2360	3650	5780	4300	2110	2210	5270	3960
14	1210	2310	1160	494	2330	3650	492	5200	3110	500	5260	2320
15	1010	2300	1160	834	3680	3660	825	5160	2100	835	5270	497
16	1030	1750	1150	3170	3300	3670	3650	5180	1150	1940	5270	836
17	1680	1830	1150	3160	3710	497	3650	5200	838	1910	5270	2920
18	1690	1570	1130	3160	493	830	3650	5200	1780	1930	498	2010
19	1680	1200	1140	3170	826	3350	3660	496	3630	1920	833	2560
20	1680	1230	1140	3150	3650	3390	3660	831	1200	1920	2100	3410
21	1680	1210	1140	499	3670	3550	493	3730	683	498	2090	3400
22	1010	1210	1150	821	3660	4370	825	3740	1110	831	2150	870
23	1020	1200	1130	3320	3650	4170	1930	3730	502	3500	2100	877
24	2130	1260	2680	3330	3650	628	1940	3720	843	3450	2120	3570
25	1010	1220	1840	3300	3360	896	1920	3740	2280	3470	501	3560
26	2070	1200	1160	3330	1620	3670	3140	495	1780	3480	830	3590
27	2060	1190	1170	3320	2950	3670	3150	835	1780	3480	3410	3600
28	2070	1220	2540	493	3250	3700	497	3090	1770	534	3420	3590
29	1250	1190	2820	826	3900	6430	821	3090	1130	839	3440	878
30	1260	1180	3360	5370	---	6430	4960	3720	508	2460	3400	886
31	2470	---	514	5360	---	492	---	3750	---	4400	3450	---
TOTAL	46782	50820	43021	80201	77293	91168	87325	124276	58137	60272	100236	64089
MEAN	1509	1694	1388	2587	2665	2941	2911	4009	1938	1944	3233	2136
MAX	3740	2500	3360	5370	5390	6430	5780	6700	4160	4400	5360	3960
MIN	902	1180	514	490	490	474	492	495	501	498	496	497
MEAN†	871	2070	4938	2530	3001	3061	3377	3895	1569	2894	1903	656
CFSM†	.84	1.99	4.75	2.43	2.89	2.94	3.25	3.75	1.60	2.78	1.83	.63
IN†	.96	2.22	5.47	2.80	3.11	3.39	3.62	4.32	1.79	3.21	2.11	.70

CAL YR 1983 TOTAL 806494 MEAN 2210 MAX 6990 MIN 449 MEAN† 2224 CFSM† 2.14 IN† 29.03
WTR YR 1984 TOTAL 883620 MEAN 2414 MAX 6700 MIN 474 MEAN† 2577 CFSM† 2.48 IN† 33.73

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi upstream from John Creek, 4.5 mi north of Norcross, 6.5 mi downstream from Suwanee Creek, 18 mi downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.--1,170 mi^2, approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 878.16 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft downstream at same datum. July 14, 1955, to Mar. 11, 1957, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversion and return flow above station regulated by Gwinnett County.

AVERAGE DISCHARGE.--72 years, 2,323 ft^3/s, 26.96 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft^3/s Jan. 8, 1946, gage height, 27.7 ft, from rating curve extended above 36,000 ft^3/s on basis of computation of peak flow over Morgan Falls Dam; minimum observed, 132 ft^3/s Aug. 25, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, that of Jan. 8, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,000 ft^3/s May. 2, gage height, 11.19 ft; minimum daily, 708 ft^3/s July 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	2640	1490	896	5890	4200	888	5720	4320	708	4470	1940
2	967	2590	1460	2930	6250	4330	3040	5840	2030	1790	2780	787
3	938	2670	3140	3990	6080	2190	4350	3900	860	2150	5280	1500
4	1550	2670	3740	3980	2560	833	4270	4620	3120	2150	4800	1990
5	2890	2390	1690	3970	847	2400	4140	5100	4450	2160	3370	2030
6	1180	1410	6200	3960	1750	2920	4130	4490	4240	2180	4840	2030
7	1480	1840	3290	2140	2060	4190	2240	6370	4240	1310	5970	2030
8	1490	2710	1760	843	2040	4090	849	5520	4240	788	5500	1390
9	956	2350	1590	2720	2050	4080	4160	7420	2280	1910	5920	763
10	1060	2270	1940	3860	2040	2110	6610	7520	778	2490	5880	2020
11	1310	2710	1730	3980	1410	813	6630	7500	1670	2480	2330	3320
12	3720	2330	2040	3640	801	3030	6560	6930	2450	2480	881	3630
13	1940	1410	1750	3540	2380	4110	6590	5290	2450	2510	4750	3990
14	1450	1780	1600	1820	3920	4120	3060	5700	3390	1550	5940	3400
15	1190	2830	1550	860	4000	4080	937	5850	2600	816	5860	1490
16	1110	2440	1510	2540	4340	4120	3030	5860	2350	1600	5810	825
17	1280	1900	1810	3740	4210	2160	4340	5860	754	2190	5810	2360
18	1680	1830	1460	3960	2480	860	4380	5870	1830	2340	2290	2650
19	1890	2250	1060	4280	861	2690	4420	2300	2850	2250	829	2700
20	1890	1200	1450	3910	3140	3910	5020	804	2710	2190	1930	3150
21	1910	2360	1430	2400	4290	4460	2830	3090	1030	1530	2410	3720
22	1660	1490	1820	878	4290	5010	1040	4440	1030	782	2440	2180
23	1170	1460	1750	2890	4300	4860	2170	4330	1070	2900	2420	1100
24	1440	2910	2340	4150	4280	2050	2580	4310	719	3850	2430	2370
25	2010	2060	3450	4140	3950	922	2450	4290	2270	3870	1400	3950
26	1500	1450	1260	4050	2360	2970	3760	2320	2080	3780	791	3940
27	2300	1500	1530	4040	4090	4050	3940	802	2060	4290	2750	3970
28	2320	1660	2710	2250	3870	4590	2060	2650	2040	2070	2790	3940
29	2110	1840	4610	876	4480	6930	1020	4120	1800	1030	3940	2350
30	1300	1560	4340	4620	---	7420	4710	4270	995	2520	3830	969
31	2090	---	2090	6040	---	3170	---	4370	---	5280	3790	---
TOTAL	51611	62510	69590	97893	95019	107668	106204	147456	68706	69944	115631	72684
MEAN	1665	2084	2245	3158	3277	3473	3540	4757	2290	2256	3730	2416
MAX	3720	2910	6200	6040	6250	7420	6630	7520	4450	5280	5970	3990
MIN	938	1200	1060	843	801	813	849	802	719	708	791	763

CAL YR 1983 TOTAL 965350 MEAN 2645 MAX 7410 MIN 635 MEAN† 2659 CFSM† 2.27 IN† 30.85
WTR YR 1984 TOTAL 1064716 MEAN 2909 MAX 7520 MIN 708 MEAN† 3072 CFSM† 2.63 IN† 35.74

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.

LOCATION.--Lat 33°59'09", long 84°18'58", Fulton County, Hydrologic Unit 03130001, on right bank 3.3 mi upstream from Big Creek and bridge on U.S. Highway 19, 3.6 mi southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.--1,220 mi², approximately.

PERIOD OF RECORD.--October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 858.01 ft, National Geodetic Vertical Datum of 1929. Prior to July 7, 1976, at site 1.8 mi downstream at datum 8.51 ft lower.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett and DeKalb Counties; return flows above station by Gwinnett County.

AVERAGE DISCHARGE.--26 years, 2,157 ft³/s, 24.01 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,000 ft³/s Jan. 8, 1946, from rating curve extended above 30,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam 6 miles downstream, gage height, 23.4 ft from floodmark (site and datum then in use); minimum daily, 315 ft³/s Aug. 11, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,500 ft³/s Dec. 6, gage height, 8.98 ft; minimum daily discharge, 580 ft³/s Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1890	2620	1490	837	5750	4080	845	5620	4210	596	5290	2690
2	865	2610	1440	2230	6030	4190	2360	5880	3000	1200	2950	630
3	758	2640	3890	3880	5900	2640	4340	4660	693	2090	5270	1080
4	1430	2660	4270	3890	3470	745	4230	4710	2170	2110	4990	2010
5	2780	2520	1960	3900	754	2220	4040	4950	4380	2160	3740	2020
6	1110	1380	7830	3880	1530	2320	4020	4410	4110	2240	4610	2020
7	1370	1650	3620	2670	1960	4060	2680	6250	4120	1980	6070	2010
8	1460	2710	1640	733	1950	3900	794	5400	4120	719	5980	1960
9	857	2590	1600	2090	1940	3950	3540	7000	3140	1280	5980	580
10	888	2150	1590	4090	1940	2600	6310	7210	663	2450	5940	1260
11	1270	2770	2360	4090	1510	697	6480	7290	1030	2460	2980	3150
12	3540	2390	2240	3610	685	2320	6410	6770	2350	2450	768	3540
13	2090	1370	2780	3480	2200	4010	6390	5420	2360	2320	4400	3960
14	1380	1750	1540	2300	4010	4020	3800	5340	3030	2350	6050	3730
15	1130	3100	1470	779	3550	3920	913	5670	2770	721	5970	2170
16	1100	2580	1510	1950	4470	4050	2420	5680	2710	1070	5880	591
17	1170	1890	1650	3650	3790	2700	4290	5700	720	2190	5890	1650
18	1780	1830	1430	4030	2990	805	4260	5680	1230	2470	2840	2880
19	1820	2320	1290	4340	760	2150	4330	3200	2330	2280	725	2570
20	1790	1520	1400	3870	2390	4100	5430	694	3390	2270	1500	2930
21	1800	2500	1400	2820	4180	4610	3230	2090	1150	2050	2460	3630
22	1600	1510	2010	811	4170	4950	1060	4430	812	841	2510	3010
23	1170	1740	1900	2320	4190	4720	2100	4260	1210	2270	2500	1020
24	1460	3680	1960	4100	4170	2570	2610	4190	602	3940	2410	1460
25	2000	2260	2680	4060	3930	815	2420	7000	1640	3940	2030	3900
26	1500	1460	1420	3950	2640	2310	3580	3110	2050	3870	644	3890
27	2200	1560	1470	3970	4020	3880	3900	731	1970	4510	2130	3880
28	2250	2360	2750	2650	4210	4690	2220	1790	1980	2790	3880	3910
29	2270	1930	4490	773	4420	6370	952	4560	2150	1210	4010	3160
30	1320	1580	4580	3600	---	7240	4450	4150	1250	2450	3800	938
31	1700	---	2540	5860	---	4240	---	4270	---	5850	3820	---
TOTAL	49748	65630	74200	95213	93509	106072	104404	148115	67340	71327	118017	72229
MEAN	1605	2188	2394	3071	3224	3422	3480	4778	2245	2301	3807	2408
MAX	3540	3680	7830	5860	6030	7240	6480	7290	4380	5850	6070	3960
MIN	758	1370	1290	733	685	697	794	694	602	596	644	580

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CAL YR 1983  TOTAL   973132  MEAN  2666  MAX  7830  MIN 430  MEAN† 2680  CFSM† 2.20  IN† 29.82
WTR YR 1984  TOTAL  1065804  MEAN  2912  MAX  7830  MIN 580  MEAN† 3075  CFSM† 2.52  IN† 34.31
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† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of county highway bridge, 2.6 mi southeast of Alpharetta, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--72 mi^2, approximately.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 118 ft^3/s, 22.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s Feb. 3, 1982, gage height, 13.05 ft; minimum daily, 6.4 ft^3/s Sept. 29, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	2100	1520	9.38	Dec. 29	1800	800	7.53
Dec. 6	2400	*4880	12.30	Feb. 29	0100	883	7.92
Dec. 12	2400	924	8.10	May 4	0800	1470	9.30

Minimum discharge, 22 ft^3/s Oct. 2, 4, gage height, 1.81 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	36	122	152	117	244	126	233	104	77	612	53
2	23	36	105	140	115	180	120	219	98	64	521	50
3	24	36	599	132	118	156	228	828	98	69	438	50
4	24	45	1250	127	139	140	284	1300	86	62	201	55
5	31	51	1110	127	118	158	235	596	82	85	134	51
6	30	42	2200	121	112	166	166	229	78	71	123	47
7	28	38	2860	116	106	136	140	180	77	83	103	46
8	26	39	662	109	104	125	126	201	76	85	92	44
9	25	39	244	106	106	118	321	166	73	63	85	42
10	26	40	185	288	109	114	396	140	70	57	79	42
11	29	41	411	454	123	113	216	128	69	54	75	41
12	33	40	777	244	112	110	166	121	68	51	79	43
13	48	39	591	163	226	150	145	116	66	54	129	41
14	36	41	243	141	401	130	141	113	65	57	171	42
15	39	160	186	131	243	115	130	106	66	55	95	40
16	35	131	156	124	165	135	121	102	61	51	81	39
17	33	81	142	118	142	165	121	98	59	51	74	38
18	32	69	131	204	130	188	120	98	58	199	70	37
19	32	65	124	329	124	145	147	95	56	162	67	38
20	32	223	121	193	119	245	404	93	53	80	62	37
21	33	242	118	150	113	551	268	101	52	72	60	36
22	33	111	301	128	111	357	245	147	63	102	59	34
23	63	94	358	124	160	178	338	109	58	302	58	33
24	74	625	195	294	128	148	215	99	62	119	54	33
25	48	557	146	409	118	163	158	92	65	84	65	32
26	42	136	136	238	109	133	136	93	54	77	68	32
27	39	125	130	193	441	126	192	95	51	84	55	32
28	38	490	500	161	802	241	179	96	49	147	59	31
29	37	523	739	142	683	257	186	442	128	340	65	32
30	37	184	350	129	---	172	221	202	122	369	68	36
31	36	---	164	121	---	139	---	119	---	471	59	---
TOTAL	1110	4429	15356	5608	5594	5498	5991	6759	2167	3697	3961	1207
MEAN	35.8	148	495	181	193	177	200	218	72.2	119	128	40.2
MAX	74	625	2860	454	802	551	404	1300	128	471	612	55
MIN	23	36	105	106	104	110	120	92	49	51	54	31
CFSM	.50	2.06	6.88	2.51	2.68	2.46	2.78	3.03	1.00	1.65	1.78	.56
IN.	.57	2.29	7.93	2.90	2.89	2.84	3.10	3.49	1.12	1.91	2.05	.62

CAL YR 1983 TOTAL 52912 MEAN 145 MAX 2860 MIN 12 CFSM 2.01 IN 27.34
WTR YR 1984 TOTAL 61377 MEAN 168 MAX 2860 MIN 23 CFSM 2.33 IN 31.71

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20 ft upstream from Paces Ferry Bridge, at Atlanta, 1 mi downstream from Rottenwood Creek, 2.5 mi upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.--1,450 mi^2, approximately.

PERIOD OF RECORD.--August 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft, National Geodetic Vertical Datum of 1929. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder, and Nov. 15, 1936, to Mar. 8, 1937, nonrecording gage at same site and datum. Since June 1967, auxiliary water-stage recorder at bridge on U.S. Highway 41, 0.8 mi upstream.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi above station. Records of chemical analyses for the water years 1974-79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--51 years, 2,615 ft^3/s, 24.49 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft^3/s Jan. 9, 1946, gage height, 28.0 ft; minimum daily, 296 ft^3/s Sept. 2, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, 29.0 ft in December 1919, from floodmarks at site 2.6 mi downstream and stage relation between the two sites.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,100 ft^3/s Dec. 6, maximum gage height, 16.99 ft Dec. 6, backwater from Peachtree Creek; minimum daily discharge, 1,100 ft^3/s Oct. 3, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1290	2460	1760	1260	5800	4680	1260	5890	4350	1190	9190	3050
2	1330	2420	1750	2030	5580	4150	2280	6470	3500	1380	4950	1200
3	1100	2560	5520	3840	5830	3330	4550	9810	1220	2100	5070	1330
4	1240	2690	7370	4020	4970	1380	4860	5390	1920	2490	6370	2050
5	2040	2200	4570	4120	1260	2310	4360	7090	4430	2490	4420	2100
6	2310	1550	12500	3600	1530	3000	4230	5230	3920	2680	3310	2040
7	1410	1760	9280	3000	2420	3820	3160	5200	4540	2230	5930	2030
8	1250	2700	4490	1180	2040	4140	1180	7290	4240	1210	5920	1400
9	1100	2630	2240	1960	2120	3900	4050	6350	3400	1760	5820	1140
10	1130	2190	1890	5070	2160	2940	6480	7880	1120	2520	5840	1370
11	1140	2630	4670	5040	1810	1210	6980	7670	1660	2450	4760	2390
12	1990	2270	4500	4180	1200	2230	6350	7500	2500	2580	1310	3490
13	4100	1420	3020	3530	3140	4020	6440	5780	2550	2550	2710	3820
14	1670	2080	2330	2610	5190	4180	4990	5030	2460	2250	6290	4130
15	1300	3320	1800	1330	4100	3940	1560	5960	3610	1250	5910	1960
16	1180	3020	1870	2390	4410	4020	2320	5830	2010	1590	5660	1180
17	1590	2030	1780	3590	4000	3420	4180	5860	1420	2180	5800	1230
18	1660	2140	1750	4220	3330	1380	4220	5780	1420	3650	4560	2910
19	1890	1800	1650	4980	1300	2330	4430	4700	2180	2600	1140	2300
20	1830	2970	1550	4340	2410	4630	7360	1160	3720	2430	1600	2850
21	1890	2580	1750	3000	3680	5610	4910	1930	1280	1720	2370	3540
22	1580	1680	3160	1280	4050	5310	1910	4810	1180	1170	2430	3000
23	1520	1850	2360	2450	4430	4760	2840	4370	1190	2480	2410	1170
24	1930	6280	2200	4180	4270	3540	3060	4300	1270	4200	2420	1500
25	1920	3330	3520	4470	4280	1410	2800	4280	1400	4010	1870	3690
26	1670	2180	2120	4380	3450	2470	2820	3530	2340	3990	1330	3820
27	2290	1890	1580	4100	5090	3660	4110	1250	2170	4300	1660	3780
28	2220	4090	5490	3100	6730	5280	3540	2150	2050	3750	3710	3800
29	1760	3180	5070	1320	4970	6350	1690	7550	2410	2520	4090	3150
30	1600	2100	4740	2590	---	7480	2900	4830	1670	3980	3910	1150
31	1880	---	3370	5490	---	5830	---	4480	---	6820	3780	---
TOTAL	52810	76000	111650	102650	105750	116710	115820	165350	73130	82520	126540	72570
MEAN	1704	2533	3602	3311	3647	3765	3861	5334	2438	2662	4082	2419
MAX	4100	6280	12500	5490	6730	7480	7360	9810	4540	6820	9190	4130
MIN	1100	1420	1550	1180	1200	1210	1180	1160	1120	1170	1140	1140

CAL YR 1983 TOTAL 1082910 MEAN 2967 MAX 12500 MIN 1040 MEAN† 2981 CFSM† 2.06 IN† 27.91
WTR YR 1984 TOTAL 1201500 MEAN 3283 MAX 12500 MIN 1100 MEAN† 3446 CFSM† 2.38 IN† 32.35

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02336300 PEACHTREE CREEK AT ATLANTA, GA.

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, Hydrologic Unit 03130001, on downstream side of bridge on Northside Drive at Atlanta, 0.4 mi downstream from Tanyard Branch, and 4 mi upstream from mouth.
DRAINAGE AREA.--86.8 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1958 to current year.
GAGE.--Water-stage recorder. Datum of gage is 763.96 ft, National Geodetic Vertical Datum of 1929, city of Atlanta bench mark. Prior to May 27, 1963, water-stage recorder at site 1,000 ft downstream at same datum.
REMARKS.--Records fair except those of no gage-height record, Oct. 1-3, Nov. 26, 27, Nov. 29 to Dec. 1, Dec. 25-27, Apr. 16, 18, 21-24, May 4-10, May 30 to June 1, July 6-9, 16-23, and Aug. 2-7, which are poor.
AVERAGE DISCHARGE.--26 years, 138 ft^3/s, 21.59 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,660 ft^3/s Mar. 16, 1976, gage height, 20.30 ft; minimum daily discharge, 6.0 ft^3/s Oct. 3, 4, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 20	0930	2520	10.67	Mar. 28	1645	5340	15.52
Nov. 24	0130	4130	13.62	May 2	1930	*6420	17.04
Nov. 28	0430	2590	10.82	May 29	0300	4480	14.19
Dec. 4	0115	2920	11.47	July 14	0145	3400	12.36
Dec. 6	0115	5650	15.96	July 17	unknown	6230	16.77
Dec. 11	1515	3290	12.16	July 31	0915	3380	12.33
Dec. 28	0900	3630	12.77	Aug. 25	2215	4430	14.11
Feb. 27	0730	3700	12.90	Aug. 29	0930	3680	12.87
Mar. 20	1930	3460	12.47				

Minimum daily discharge, 22 ft^3/s Oct. 8, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	23	76	102	65	112	126	125	85	41	714	56
2	26	24	62	90	64	96	113	1630	71	108	600	50
3	25	24	1520	82	112	87	569	2100	64	100	500	48
4	35	32	1070	79	179	82	190	470	65	51	200	100
5	48	28	216	75	74	536	116	350	59	42	450	50
6	28	24	2560	71	69	215	99	200	56	300	300	44
7	24	25	250	65	65	115	89	160	56	130	90	40
8	22	24	163	62	65	92	85	190	54	65	73	41
9	23	24	135	60	63	80	402	150	51	42	68	38
10	22	23	112	1120	95	75	200	120	49	40	65	39
11	32	23	1440	272	108	71	104	112	48	38	62	38
12	48	23	372	137	68	68	91	108	47	42	235	37
13	646	23	156	107	909	203	88	104	46	41	113	35
14	76	100	112	94	845	84	242	103	45	793	62	33
15	39	947	90	91	179	70	118	99	44	88	46	32
16	31	110	76	83	124	189	90	95	43	200	43	31
17	28	57	70	94	105	168	109	93	41	400	71	30
18	27	42	65	647	95	101	92	93	41	1000	43	29
19	26	38	63	403	87	96	253	92	40	120	38	30
20	25	998	61	126	82	1040	1430	89	40	80	37	30
21	25	138	58	100	77	620	292	465	45	130	36	29
22	24	69	915	89	116	138	200	270	40	450	36	28
23	182	193	177	84	132	94	270	96	39	588	35	27
24	49	1780	102	280	80	118	108	81	160	190	33	27
25	32	203	80	165	88	131	91	74	49	112	540	27
26	27	165	60	90	61	67	83	205	39	108	387	26
27	26	143	60	208	1430	91	330	79	37	162	65	24
28	25	1030	1590	90	547	2170	260	429	35	160	54	24
29	25	165	251	76	155	500	129	1460	144	789	716	25
30	24	105	155	69	---	195	193	175	59	562	103	26
31	23	---	128	65	---	148	---	120	---	1750	69	---
TOTAL	1719	6603	12245	5176	6139	7852	6562	9911	1692	8742	5884	1094
MEAN	55.5	220	395	167	212	253	219	320	56.4	282	190	36.5
MAX	646	1790	2560	1120	1430	2170	1430	2100	160	1750	716	100
MIN	22	23	58	60	61	67	83	74	35	38	33	24
CFSM	.64	2.54	4.55	1.92	2.44	2.92	2.52	3.69	.65	3.25	2.19	.42
IN.	.74	2.83	5.25	2.22	2.63	3.37	2.81	4.25	.73	3.75	2.52	.47

CAL YR 1983 TOTAL 60196 MEAN 165 MAX 3690 MIN 13 CFSM 1.90 IN 25.80
WTR YR 1984 TOTAL 73619 MEAN 201 MAX 2560 MIN 22 CFSM 2.32 IN 31.55

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.96	---	3.60	3.33	3.68	3.82	3.78	3.55	3.20	6.06	3.34
2	---	2.97	3.93	3.53	3.32	3.58	3.75	3.53	3.46	3.60	---	3.29
3	---	2.97	8.19	3.47	3.59	3.52	5.48	9.68	3.41	3.65	---	3.27
4	3.25	3.09	6.85	3.45	3.97	3.49	4.14	5.30	3.42	3.30	---	3.66
5	3.39	3.03	4.21	3.42	3.40	5.22	3.76	---	3.37	3.21	---	3.29
6	3.17	2.97	10.21	3.39	3.36	4.19	3.66	---	3.34	---	---	3.24
7	3.11	2.99	4.41	3.35	3.33	3.71	3.59	---	3.34	---	3.56	3.21
8	3.08	2.97	4.00	3.32	3.32	3.56	3.57	---	3.32	---	3.44	3.22
9	3.09	2.97	3.86	3.31	3.32	3.48	5.00	---	3.30	3.21	3.41	3.18
10	3.07	2.96	3.73	6.90	3.51	3.44	4.18	3.78	3.28	3.19	3.37	3.19
11	3.21	2.95	7.60	4.42	3.61	3.42	3.69	3.74	3.27	3.16	3.36	3.18
12	3.38	2.95	4.88	3.79	3.35	3.39	3.61	3.72	3.27	3.21	4.15	3.18
13	5.69	2.95	3.97	3.63	6.40	4.14	3.59	3.70	3.26	3.20	3.70	3.16
14	3.49	3.63	3.73	3.55	6.20	3.51	4.30	3.68	3.25	6.04	3.38	3.14
15	3.16	6.67	3.60	3.53	4.00	3.41	3.76	3.66	3.23	3.58	3.25	3.13
16	3.06	3.70	3.50	3.47	3.73	4.03	3.60	3.64	3.22	---	3.22	3.11
17	3.02	3.35	3.46	3.51	3.62	3.96	3.72	3.63	3.20	---	3.38	3.09
18	3.00	3.22	3.42	5.69	3.55	3.61	3.62	3.62	3.20	---	3.22	3.09
19	2.99	3.16	3.40	4.85	3.50	3.59	4.38	3.61	3.19	---	3.16	3.09
20	2.98	6.56	3.38	3.74	3.46	6.30	7.99	3.60	3.19	---	3.15	3.10
21	2.98	3.86	3.36	3.59	3.44	5.64	4.60	4.99	3.24	---	3.13	3.09
22	2.97	3.45	6.51	3.51	3.63	3.98	---	4.42	3.19	---	3.13	3.08
23	4.00	3.86	4.07	3.48	3.77	3.74	4.50	3.60	3.18	5.49	3.13	3.06
24	3.26	8.66	3.68	4.44	3.53	3.83	3.71	3.54	3.91	4.12	3.11	3.06
25	3.08	4.20	---	3.93	3.51	3.94	3.61	3.49	3.29	3.71	4.48	3.06
26	3.02	---	---	3.52	3.33	3.55	3.55	4.05	3.18	3.67	4.74	3.04
27	3.00	---	---	4.13	7.62	3.64	4.65	3.52	3.15	3.94	3.42	3.02
28	2.98	6.79	8.24	3.52	5.39	9.51	4.39	4.80	3.13	3.96	3.31	3.02
29	2.98	---	4.38	3.42	3.90	5.30	3.82	7.72	3.81	6.30	5.62	3.03
30	2.96	---	3.90	3.37	---	4.15	4.08	4.05	3.37	5.60	3.67	3.05
31	2.95	---	3.75	3.33	---	3.93	---	---	---	8.74	3.46	---
MEAN	---	---	---	3.81	3.93	4.14	---	---	3.32	---	---	3.16
MAX	---	---	---	6.90	7.62	9.51	---	---	3.91	---	---	3.66
MIN	---	---	---	3.31	3.32	3.39	---	---	3.13	---	---	3.02

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to May 1972, July 1975 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 04...	0530	27	175	159	7.2	7.1	17.5	15.0	7.7	82
NOV 02...	0645	24	140	157	7.4	7.5	13.0	11.0	8.4	81
DEC 07...	1045	235	102	105	7.0	7.0	10.0	8.5	9.3	84
JAN 04...	0700	77	120	134	7.3	7.2	3.0	-1.0	11.6	88
FEB 07...	0800	63	160	139	7.4	7.1	1.0	-.5	11.5	82
MAR 06...	0630	258	82	87	7.0	7.1	11.5	6.5	8.8	84
APR 04...	1145	204	110	109	7.1	7.2	15.0	20.0	8.5	87
MAY 02...	0545	82	130	133	7.1	7.3	17.0	14.0	7.5	80
JUN 06...	0700	53	170	160	7.3	7.4	21.0	20.0	7.3	83
JUL 10...	0615	40	160	150	7.4	7.3	22.0	20.0	6.4	75
AUG 08...	0630	71	150	150	--	7.4	23.0	22.0	6.6	79
SEP 05...	0645	49	142	152	7.2	7.3	20.0	19.5	7.1	79

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	11	1.3	4900	47	.51	.240	.050	2.5
NOV 02...	8.0	.9	1700	51	.35	.120	.050	2.6
DEC 07...	55	1.9	17000	26	.26	.060	.120	4.4
JAN 04...	14	1.7	10200	37	.79	.250	.050	2.9
FEB 07...	9.0	1.6	23000	40	.83	.240	.060	2.1
MAR 06...	80	3.3	33000	21	.58	.130	.150	7.3
APR 04...	95	2.4	14000	32	.60	.100	.070	5.8
MAY 02...	19	1.7	33000	40	.62	.170	.050	5.4
JUN 06...	10	1.0	17000	48	.81	.160	.060	3.3
JUL 10...	19	1.6	--	46	.56	.140	.090	3.2
AUG 08...	19	6	13000	45	.65	.130	.070	2.9
SEP 05...	32	1.9	49000	43	.62	.130	.090	2.9

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.

LOCATION.--Lat 33°49'01", long 84°28'48", Fulton-Cobb County line, Hydrologic Unit 03130002, at bridge on State Highway 280, 0.6 mi upstream from Southern Railway bridge, 1.7 mi downstream from Peachtree Creek, and at mile 298.8.

DRAINAGE AREA.--1,600 mi^2, approximately.

PERIOD OF RECORD.--March 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 736.35 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,300 ft^3/s Feb. 3, 1982, gage height, 28.91 ft; minimum daily discharge, 1,010 ft^3/s July 17, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD: Flood of April 13, 1979, reached a stage of 30.71 ft from floodmarks, discharge, 32,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,400 ft^3/s Dec. 6, gage height, 24.74 ft; minimum daily discharge, 1,080 ft^3/s Oct. 3, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1390	2530	1910	1470	6560	5680	1700	6710	4770	1260	11800	3450
2	1310	2580	1890	2220	6260	4830	2500	9060	3930	1390	6790	1360
3	1080	2710	9350	4300	6660	4210	6080	15300	1460	2270	6260	1420
4	1180	2820	9670	4560	5830	1810	5860	7870	2090	2550	7050	2070
5	2010	2450	5380	4580	1590	3320	5090	8150	4630	2650	5310	2250
6	2410	1610	18900	4120	1750	3790	4930	6080	4240	2910	3850	2160
7	1420	1700	12200	3790	2760	4170	3930	5540	4750	2900	6300	2170
8	1220	2770	5620	1450	2400	4790	1530	8030	4480	1390	6430	1710
9	1080	2760	2720	1860	2460	4470	5330	6710	3810	1720	6300	1240
10	1100	2210	2220	7510	2550	3660	7560	8380	1260	2610	6300	1420
11	1150	2750	7570	6350	2340	1520	8050	8180	1610	2500	5160	2430
12	1860	2410	6080	4880	1470	2410	7250	8060	2640	2630	1820	3640
13	5360	1450	3700	4070	5090	4720	7330	6560	2660	2580	2950	3950
14	1830	2180	2790	3500	7310	4830	6040	5470	2560	3700	6720	4320
15	1430	5180	2070	1570	4900	4520	2030	6490	3770	1400	6370	2260
16	1190	3400	2160	2450	5150	4770	2550	6310	2140	2600	6140	1270
17	1510	2170	2100	4030	4660	4360	4870	6320	1600	2760	6210	1290
18	1680	2240	2010	5550	4100	1780	4850	6290	1370	4610	4900	2940
19	1900	1900	1940	6600	1630	2590	5290	5370	2160	2760	1340	2380
20	1830	5010	1840	5110	2570	6320	11500	1440	3850	2590	1660	3000
21	1900	3010	1920	3880	4440	7440	6160	2230	1500	1950	2530	3700
22	1720	1870	5060	1660	4610	6130	2440	5800	1240	1680	2620	3200
23	1810	2220	2540	2610	5380	5570	3580	4790	1190	3380	2610	1260
24	1910	9740	2560	5160	4880	4380	3630	4770	1520	4640	2590	1490
25	2110	4090	3970	5290	4990	2020	3320	4560	1410	4250	2320	3790
26	1610	2470	2460	5050	4110	2750	3240	4310	2290	4300	2140	4010
27	2350	2110	1740	4940	8320	4170	5170	1600	2260	4640	1730	3880
28	2290	6650	9230	3920	8800	9000	4640	2760	2030	4390	3950	3910
29	1930	3680	6460	1610	5760	8290	2290	11400	2720	3620	5700	3330
30	1690	2360	5300	2730	---	8440	3400	5510	1960	5510	4360	1250
31	1840	---	4060	6150	---	6600	---	4960	---	10300	4040	---
TOTAL	55100	91030	147810	122970	129330	143340	142140	195010	77900	98440	144250	76550
MEAN	1777	3034	4768	3967	4460	4624	4738	6291	2597	3175	4653	2552
MAX	5360	9740	18900	7510	8800	9000	11500	15300	4770	10300	11800	4320
MIN	1080	1450	1740	1450	1470	1520	1530	1440	1190	1260	1340	1240

CAL YR 1983	TOTAL	1247180	MEAN	3417	MAX	18900	MIN	1010	MEAN†	3431	CFSM†	2.14	IN†	29.11
WTR YR 1984	TOTAL	1423870	MEAN	3890	MAX	18900	MIN	1080	MEAN†	4053	CFSM†	2.53	IN†	34.48

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02336502 CHATTAHOOCHEE RIVER AT I-285, AT ATLANTA, GA.

LOCATION.--Lat 33°48'32", long 84°29'43", Cobb-Fulton County line, Hydrologic Unit 03130002, at bridge on Interstate Highway 285, 0.3 mi upstream from Proctor Creek, 0.5 mi downstream from Southern Railway bridge, at Atlanta city limits, and at mile 297.7.

DRAINAGE AREA.--1,600 mi^2.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Discharge obtained from gaging station 02336490, Chattahoochee River at State Highway 280, near Atlanta, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
04...	0700	1030	104	92	7.2	7.3	23.0	17.0	8.5	101
NOV										
02...	0800	1740	64	64	7.1	7.1	18.0	12.5	8.9	96
DEC										
07...	1215	12300	39	38	6.6	6.6	11.0	8.0	10.3	96
JAN										
04...	0830	5900	47	47	7.3	7.0	6.5	-2.5	11.2	9[illegible]
FEB										
07...	0900	1730	88	83	7.2	6.8	7.0	-.5	11.2	93
MAR										
06...	0830	3720	64	64	7.0	7.3	11.0	6.0	10.0	94
APR										
04...	1245	5970	53	53	7.0	7.2	12.0	21.0	10.2	98
MAY										
02...	0730	8020	40	42	7.0	7.1	12.5	14.0	10.0	97
JUN										
06...	0815	5860	--	52	7.3	7.1	17.0	25.0	8.6	90
JUL										
10...	0730	1390	90	83	7.2	7.1	14.0	22.0	--	--
AUG										
08...	0730	8270	43	44	6.6	7.0	14.5	22.0	8.8	88
SEP										
05...	0800	1450	73	75	7.1	7.1	21.0	19.5	8.6	98

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
04...	7.0	2.9	<20	25	5	68	1.4	.690	.520	3.4
NOV										
02...	9.0	1.4	50	16	12	64	.33	.720	.240	4.5
DEC										
07...	170	2.5	3300	9.0	284	300	.22	.140	.310	9.6
JAN										
04...	19	1.3	1700	15	38	68	.22	.380	.130	2.6
FEB										
07...	9.0	1.3	20	22	6	56	.52	1.02	.280	2.3
MAR										
06...	36	1.7	3300	18	42	108	.43	.510	.200	3.5
APR										
04...	35	1.5	790	17	74	108	.32	.310	.100	3.0
MAY										
02...	33	1.2	790	15	90	120	.34	.230	.090	3.2
JUN										
06...	18	.1	490	14	44	68	.47	.250	.090	2.4
JUL										
10...	24	1.7	--	19	32	78	.89	.320	.550	3.2
AUG										
08...	24	.8	2300	13	50	72	.42	.170	.110	2.2
SEP										
05...	12	2.6	4600	17	11	60	.91	.430	.380	1.8

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, Hydrologic Unit 03130002, on right bank 100 ft upstream from bridge on Interstate Highway 20, 400 ft upstream from Blair Bridge, 3 mi southeast of Austell, and 5.5 mi upstream from mouth.
DRAINAGE AREA.--246 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.
REVISED RECORDS.--WSP 1724: 1949(M). WDR GA-79-1: 1975(M).
GAGE.--Water-stage recorder. Datum of gage is 857.01 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.
REMARKS.--Records good except those of no gage-height record, Dec. 22-30, which are fair.
AVERAGE DISCHARGE.--48 years (1904-5, 1937-84), 340 ft^3/s, 18.77 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft^3/s Feb 4, 1982, gage height, 19.90 ft; minimum daily, 2.1 ft^3/s Oct. 9, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1916 reached a stage of about 20.0 ft, from information by local resident; discharge, 12,600 ft^3/s, from rating extended above 6,500 ft^3/s on basis of contracted-opening measurement at gage height, 18.2 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft$_3$/s	Gage height (ft)
Nov. 25	0200	1860	6.27	Mar. 21	1100	1950	6.50
Dec. 7	2000	*4490	12.08	Apr. 21	0400	2380	7.57
Dec. 13	1000	1830	6.20	May 4	1300	3520	10.14
Dec. 29	unknown	2650	8.20	May 30	0700	3610	10.34
Feb. 28	0500	2050	6.74	Aug. 1	1200	3160	9.37

Minimum discharge. 56 ft^3/s Oct. 10, 11, gage height, 0.96 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	84	470	556	377	768	471	709	739	233	3040	305
2	74	85	342	503	360	580	466	816	495	399	2700	223
3	71	85	1030	476	375	518	800	2290	404	331	1870	203
4	68	100	2350	442	424	464	900	3410	349	298	1090	201
5	80	114	2230	423	396	488	887	2940	312	270	757	195
6	74	108	2960	401	353	525	697	1430	284	230	783	175
7	67	103	4150	372	317	475	546	678	265	220	515	161
8	63	98	3830	345	309	403	473	730	262	221	384	151
9	59	93	1830	327	307	363	881	685	246	191	311	145
10	56	95	630	688	316	340	953	598	234	173	268	140
11	59	93	509	1020	385	336	699	516	223	160	288	136
12	67	90	935	780	366	326	564	458	213	146	478	133
13	132	89	1790	559	910	389	495	416	208	145	720	128
14	165	99	934	467	1030	359	453	387	201	366	1080	126
15	165	316	607	426	774	331	420	398	191	186	773	121
16	116	355	503	407	571	437	397	364	184	226	386	117
17	98	271	439	382	482	665	423	325	176	274	291	112
18	89	194	394	557	427	700	395	306	169	563	250	106
19	86	160	367	1050	394	592	468	292	162	436	228	104
20	80	[illegible]	346	845	373	810	1590	279	156	269	213	102
21	75	683	328	623	354	1820	2110	276	150	200	202	99
22	73	535	700	487	340	1590	1180	376	144	175	191	94
23	161	322	1200	438	450	971	847	367	146	163	183	90
24	195	1440	700	705	490	608	664	348	190	162	176	88
25	174	1760	500	807	475	602	539	290	203	163	166	90
26	137	1380	460	699	403	522	467	305	189	240	161	90
27	113	586	420	633	1170	484	563	410	165	215	157	86
28	100	1070	1000	584	1930	846	821	575	150	488	153	83
29	93	1170	2400	518	1440	954	1250	2600	191	1750	234	81
30	89	770	1900	440	---	712	887	3450	235	2720	536	83
31	85	---	836	409	---	539	---	2300	---	2780	573	---
TOTAL	3022	12869	37090	17389	16298	19517	22306	29324	7236	14393	19157	3948
MEAN	97.5	429	1196	561	562	630	744	946	241	464	618	132
MAX	195	1760	4150	1050	1930	1820	2110	3450	739	2780	3040	305
MIN	56	84	328	327	307	326	395	276	144	145	153	81
CFSM	.40	1.74	4.86	2.28	2.29	2.56	3.02	3.85	.98	1.89	2.51	.54
IN.	.46	1.95	5.61	2.63	2.46	2.95	3.37	4.43	1.09	2.18	2.90	.60

CAL YR 1983 TOTAL 166264 MEAN 456 MAX 4150 MIN 25 CFSM 1.85 IN 25.14
WTR YR 1984 TOTAL 202569 MEAN 553 MAX 4150 MIN 56 CFSM 2.25 IN 30.63

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
04...	0815	67	94	90	7.3	7.3	17.5	23.0	7.9	85
NOV										
02...	0900	86	86	93	7.2	7.3	14.0	13.0	7.9	78
DEC										
07...	1300	4440	35	36	6.3	6.4	12.0	8.0	8.6	82
JAN										
04...	0910	447	53	56	7.1	6.9	3.0	-.5	12.0	91
FEB										
07...	0930	316	66	61	7.1	6.9	2.5	-3.0	11.8	88
MAR										
06...	0900	525	59	60	7.0	7.1	10.5	6.0	9.5	89
APR										
04...	1315	846	58	58	6.9	7.0	14.0	22.0	8.6	86
MAY										
02...	0800	574	57	58	6.9	7.1	17.0	16.0	7.9	85
JUN										
06...	0845	291	77	64	7.1	7.2	22.0	29.0	6.5	76
JUL										
10...	0815	154	78	76	7.3	7.2	23.0	27.0	7.0	83
AUG										
08...	0800	390	63	66	--	7.3	23.5	22.0	6.5	78
SEP										
05...	0815	194	74	71	7.2	7.1	21.5	19.5	7.2	83

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
04...	15	1.5	490	29	.27	.040	.050	4.3
NOV								
02...	10	2.0	790	28	.19	.050	.030	4.4
DEC								
07...	80	2.9	3300	7.0	.09	<.020	.100	8.2
JAN								
04...	16	[illegible]	490	16	.31	.120	.030	3.1
FEB								
07...	10	1.5	130	18	.31	.100	.030	[illegible]
MAR								
06...	20	1.5	330	17	.31	.060	.040	2.7
APR								
04...	36	1.7	3500	16	.24	.050	.040	4.6
MAY								
02...	29	1.1	700	18	.32	.100	.040	3.8
JUN								
06...	18	.7	490	20	.34	.050	.030	2.8
JUL								
10...	18	1.3	--	25	.31	.050	.050	3.1
AUG								
08...	23	1.2	790	22	.22	.040	.050	5.7
SEP								
05...	16	1.7	490	24	.27	.040	.040	2.7

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
16...	1410	346	9.0	55	51
JAN					
04...	1105	443	3.0	9	11
FEB					
08...	0900	308	2.0	8	6.7
MAR					
20...	0845	482	16.0	27	35
MAY					
02...	0815	575	17.0	33	51
JUN					
12...	1030	213	23.5	15	8.6
JUL					
24...	0750	160	24.0	27	12
SEP					
05...	1035	191	21.5	18	9.3

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.--Lat 33°39'24", long 84°40'25", Fulton-Douglas County line, Hydrologic Unit 03130002, at downstream end of pier of bridge on State Highways 74 and 92, 1.4 mi downstream from Deep Creek, 9.5 mi northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.--2,060 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.07 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good, except those of no gage-height record, Oct. 26 to Nov. 16, which are fair. Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--19 years, 3,813 ft^3/s, 25.14 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft^3/s Apr. 14, 1979, gage height, 25.18 ft; minimum daily, 1,000 ft^3/s July 1, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,900 ft^3/s Dec. 7, gage height, 18.51 ft; minimum daily, 1,290 ft^3/s Oct. 3, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1970	2460	2710	2690	7010	7150	3230	7680	6120	1710	13500	4370
2	1590	2620	2440	2460	6760	5850	2610	7990	5170	1840	12500	2110
3	1290	2460	8300	4670	7080	5560	6750	15300	2550	2430	9380	1710
4	1340	2540	13800	5170	7330	2890	7410	14400	2220	2910	8480	1930
5	1880	2540	8830	5060	2710	3650	6650	11000	4660	2890	6690	2540
6	2700	1920	13700	4940	2100	5260	6070	8680	5020	2870	5450	2430
7	1750	1650	18800	4660	2960	4730	5370	6770	4940	3700	6820	2400
8	1500	2380	12100	2270	2990	5490	2780	8670	4960	2080	7020	2370
9	1310	2890	5890	1980	2910	5130	5430	7410	4680	1610	6760	1570
10	1290	2540	3390	7200	2940	4820	8870	8860	2120	2560	6690	1520
11	1360	2700	6890	9110	3260	2470	8930	8650	1710	2760	6360	2180
12	1600	2780	11300	6250	2160	2320	8020	8540	2640	2770	3030	3640
13	5220	1850	6480	5160	6240	5080	7970	7500	2980	2740	3540	4010
14	2650	1580	4500	4620	10100	5520	7800	6210	2920	5040	7740	4360
15	1900	5390	3440	2440	6600	5110	3570	7020	3920	2060	7330	3150
16	1430	4530	2930	2490	6130	5320	2620	6820	2820	2170	6750	1630
17	1390	2680	2810	4450	5540	5820	5320	6750	2250	4390	6560	1440
18	1890	2450	2590	5960	5320	3290	5530	6770	1520	5690	6230	2510
19	2030	2290	2540	9220	2660	2980	5930	6210	2080	3770	2180	2460
20	2020	5320	2430	6620	2460	5990	11700	2460	3820	3050	1760	3070
21	1950	4740	2150	5350	4840	11100	10900	2410	2510	2770	2610	3610
22	1990	3300	5440	2800	5080	8060	4940	6430	1550	1880	2930	3730
23	2090	2110	5190	2430	6270	7270	4700	5470	1490	3310	2970	2560
24	2040	10600	3640	6160	5580	6000	4810	5340	1850	4790	2850	1410
25	2530	7580	4230	6650	5670	3610	4310	5120	1740	4420	2860	3410
26	1800	4730	3320	6210	5040	2840	3960	5400	2200	4620	2770	4000
27	1990	2920	2550	6070	8880	4770	6510	3010	2540	4680	1640	4010
28	2300	8310	9420	5540	12300	9060	6200	2500	2250	5340	3620	4170
29	2130	6130	10800	2720	8230	11000	4990	12700	2800	5240	6260	3910
30	1990	3790	7940	2710	---	9370	3850	10500	2840	8800	5750	1760
31	1540	---	6400	6450	---	8630	---	7870	---	11300	4770	---
TOTAL	60460	109780	196950	150510	157150	176160	177730	230440	90870	116190	173800	83970
MEAN	1950	3659	6353	4855	5419	5683	5924	7434	3029	3748	5606	2799
MAX	5220	10600	18800	9220	12300	11100	11700	15300	6120	11300	13500	4370
MIN	1290	1580	2150	1980	2100	2320	2610	2410	1490	1610	1640	1410

CAL YR 1983 TOTAL 1534180 MEAN 4203 MAX 20900 MIN 1200 MEAN† 4217 CFSM† 2.05 IN† 27.79
WTR YR 1984 TOTAL 1724010 MEAN 4710 MAX 18800 MIN 1290 MEAN† 4873 CFSM† 2.37 IN† 32.20

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, March 1974 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1976 to current year.
pH: July 1976 to current year.
WATER TEMPERATURES: October 1975 to current year.
DISSOLVED OXYGEN: July 1976 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 192 micromhos Feb. 20, 1979; minimum, 33 micromhos July 7, 1976.
pH: Maximum recorded, 7.5 units Nov. 20-23, 1980; minimum, 5.5 units Aug. 12, Sept. 13, 1978.
WATER TEMPERATURE: Maximum, 32.0°C June 24, 1981; minimum, 2.5°C Jan. 12, 1982.
DISSOLVED OXYGEN: Maximum, 13.1 mg/L Mar. 24, 1977; minimum, 1.6 mg/L July 26, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 149 micromhos Oct. 4; minimum, 44 micromhos May 10-12.
pH: Maximum recorded, 7.4 units Dec. 27, 28; minimum recorded, 6.2 units July 14, 16.
WATER TEMPERATURE: Maximum recorded, 27.5°C June 19,20; minimum, 3.5°C Dec. 28.
DISSOLVED OXYGEN: Maximum, 12.2 mg/L Dec. 30; minimum, 3.6 mg/L Oct. 5.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
26...	1420	1670	92	92	7.0	7.0	16.5	19.0	7.8	82
NOV										
29...	1000	6430	65	66	6.9	6.9	13.0	2.0	8.8	86
DEC										
13...	1010	6520	64	[illegible]	6.9	6.7	11.5	6.0	9.8	93
JAN										
18...	1145	4940	74	71	6.8	7.0	8.5	8.5	10.3	91
FEB										
14...	1130	10700	60	62	6.9	6.9	12.5	10.0	9.0	87
MAR										
14...	1130	5450	67	63	7.0	6.9	10.0	18.0	10.6	96
APR										
18...	1025	5510	63	61	6.9	7.2	12.5	13.0	9.4	91
MAY										
08...	0810	8870	62	54	7.0	7.1	17.0	18.5	8.1	86
JUN										
06...	1300	5190	70	66	6.8	7.0	19.0	31.0	8.2	90
JUL										
23...	0830	3590	94	88	6.9	6.8	22.0	22.0	5.6	66
AUG										
06...	1000	5310	71	69	6.9	7.1	21.0	29.0	7.1	82
SEP										
04...	0800	2110	105	99	7.0	7.1	25.0	20.0	6.2	77

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
26...	10	20	2.5	170	22	7	60	1.0	.780	1.1	.460	4.1
NOV												
29...	75	23	2.9	49000	15	130	184	.40	.310	.40	.290	4.9
DEC												
13...	60	20	1.4	3300	15	63	144	.37	.310	.40	.260	7.1
JAN												
18...	16	11	2.5	2300	18	22	104	.44	.520	.90	.220	3.2
FEB												
14...	240	40	4.9	4900	14	314	500	.49	.300	1.2	.190	17
MAR												
14...	15	7	1.8	1300	16	30	52	.52	.340	1.0	.200	2.3
APR												
18...	19	10	2.1	7900	16	36	92	.52	.270	.40	.200	1.8
MAY												
08...	39	9	1.7	7900	15	119	156	.50	.300	.90	.200	4.5
JUN												
06...	17	1	.9	1100	16	33	56	.64	.240	.50	.220	2.7
JUL												
23...	190	46	5.1	284500	20	372	516	1.0	.220	<.10	.700	12
AUG												
06...	70	25	2.4	46000	17	92	140	.71	.260	.60	.330	5.8
SEP												
04...	15	11	2.3	3500	23	25	84	2.0	.390	.90	.640	3.5

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	120	72	119	66	97	78	89	59	63	47	64	56
2	122	92	98	63	101	82	88	79	64	47	67	64
3	122	102	107	67	104	52	85	55	63	47	69	60
4	149	117	101	70	59	50	72	57	75	51	97	71
5	142	99	104	67	59	51	73	61	91	64	103	84
6	94	66	94	80	61	59	72	68	98	90	84	71
7	120	88	95	78	---	---	81	65	100	72	85	68
8	133	110	102	76	---	---	104	69	146	67	70	65
9	121	109	87	69	86	73	106	96	146	71	71	67
10	117	107	96	75	102	74	109	63	108	73	72	67
11	131	106	121	72	99	51	66	56	108	77	103	74
12	132	112	91	67	63	49	68	62	101	96	106	97
13	107	54	93	78	70	63	76	64	94	60	94	67
14	91	57	105	91	89	66	78	68	74	55	69	61
15	112	79	112	67	100	74	100	77	65	61	74	68
16	110	99	73	65	106	79	109	94	66	53	82	70
17	104	99	96	74	111	80	91	68	64	62	79	67
18	121	75	107	75	110	78	79	64	68	57	97	78
19	123	79	107	74	101	73	66	52	90	63	114	95
20	132	75	117	60	111	89	62	53	96	92	96	66
21	122	75	85	60	111	100	64	58	82	62	67	49
22	123	69	87	74	114	60	84	66	68	63	60	51
23	107	83	119	89	78	59	94	85	75	52	61	54
24	92	74	99	56	78	67	77	59	67	55	64	57
25	100	67	65	58	85	52	65	57	70	54	88	68
26	105	80	70	61	70	54	65	55	66	58	98	78
27	119	73	87	69	90	64	77	64	69	51	83	71
28	115	65	87	56	90	46	67	63	62	53	73	52
29	112	65	77	60	56	49	95	68	62	54	62	55
30	100	76	83	70	58	45	104	90	---	---	58	46
31	109	80	---	---	59	51	86	47	---	---	59	45
MONTH	149	54	121	56	114	45	109	47	146	47	114	45

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	90	61	91	52	68	51	114	86	---	---	62	57
2	98	87	75	52	67	54	106	109	---	---	105	63
3	82	58	77	51	97	64	118	92	---	---	106	97
4	64	56	66	59	110	96	101	69	---	---	104	86
5	66	58	68	48	102	54	92	65	---	---	102	62
6	64	61	65	52	71	58	102	74	76	70	104	62
7	68	62	69	53	79	56	107	70	76	49	106	65
8	96	70	67	50	75	56	101	90	65	48	102	61
9	98	62	63	49	67	55	113	102	64	47	105	94
10	66	52	55	44	106	63	122	84	66	47	107	96
11	60	49	57	44	114	105	84	74	65	46	114	79
12	59	48	58	44	123	83	---	---	98	66	86	60
13	59	51	59	47	108	70	92	83	98	81	70	54
14	70	51	65	48	107	70	95	68	86	50	67	53
15	88	74	65	46	93	65	104	72	62	48	93	65
16	107	84	63	45	124	68	116	70	66	47	111	79
17	107	63	63	45	102	82	100	76	65	48	109	101
18	64	60	64	45	122	106	99	65	64	45	118	70
19	75	63	68	45	133	99	93	64	105	64	97	65
20	68	48	103	64	129	62	99	75	119	103	93	66
21	58	53	111	95	123	68	103	72	124	85	84	60
22	84	59	112	52	144	123	118	95	98	69	77	63
23	88	79	75	56	140	128	102	72	95	67	109	68
24	96	78	70	58	133	113	83	60	94	68	118	109
25	105	71	73	59	115	107	76	59	89	65	124	66
26	110	73	71	54	120	82	74	61	96	79	72	65
27	88	69	91	68	104	66	83	62	111	88	80	65
28	81	68	100	92	103	73	74	60	134	59	80	66
29	89	74	110	46	115	68	80	62	77	60	77	66
30	102	84	55	49	96	76	66	56	60	53	106	72
31	---	---	61	49	---	---	70	45	65	57	---	---
MONTH	110	48	112	44	144	51	122	45	134	45	124	53
YEAR	149	44										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	6.8	6.9	6.8	7.2	7.1	7.2	7.1	7.0	6.9	7.0	6.9
2	6.9	6.9	6.9	6.8	7.3	7.2	7.2	7.1	7.0	7.0	7.0	6.9
3	6.9	6.8	6.9	6.8	7.2	6.9	7.2	7.1	7.1	7.0	7.0	6.9
4	6.9	6.8	6.9	6.8	7.0	6.8	7.2	7.0	7.1	7.0	7.0	6.9
5	6.8	6.8	7.0	6.9	7.0	6.9	7.1	7.0	7.1	7.0	6.9	6.8
6	6.9	6.8	7.2	6.9	7.0	6.9	7.1	6.9	7.1	7.0	6.9	6.8
7	6.9	6.8	7.0	6.9	---	---	7.1	7.0	7.2	7.1	6.9	6.8
8	6.8	6.8	6.9	6.9	---	---	7.1	7.0	7.2	7.1	7.0	6.8
9	6.9	6.8	6.9	6.8	7.0	6.9	7.2	7.0	7.2	7.1	7.0	6.9
10	6.9	6.8	6.8	6.8	7.2	7.0	7.1	6.8	7.1	7.1	7.0	6.9
11	6.9	6.8	6.9	6.7	7.2	6.9	6.9	6.8	7.1	7.1	6.9	6.9
12	6.8	6.8	7.3	6.9	7.0	6.9	7.0	6.9	7.1	7.0	7.0	6.9
13	6.8	6.8	7.1	7.0	7.0	6.8	6.9	6.8	7.1	6.8	7.1	6.9
14	7.0	6.8	7.0	6.9	7.0	7.0	6.9	6.8	7.0	6.9	7.0	6.9
15	6.9	6.9	7.0	6.7	7.0	6.9	6.8	6.8	7.0	6.9	7.0	6.8
16	6.9	6.9	6.8	6.8	7.0	7.0	6.9	6.8	7.0	7.0	7.0	6.9
17	6.9	6.9	6.9	6.8	7.1	7.0	6.8	6.8	7.1	7.0	7.0	6.9
18	6.9	6.8	6.9	6.9	7.1	7.1	6.8	6.7	7.1	7.0	7.0	6.8
19	6.9	6.8	6.9	6.8	7.1	7.1	6.9	6.8	7.1	7.0	7.0	6.8
20	6.8	6.8	6.9	6.5	7.2	7.1	6.9	6.9	7.0	7.0	7.0	6.9
21	6.8	6.7	6.7	6.6	7.1	7.0	7.0	7.0	7.0	7.0	7.0	6.8
22	6.8	6.8	6.7	6.6	7.2	7.0	7.0	7.0	7.0	7.0	7.0	6.9
23	6.9	6.8	6.7	6.6	7.1	7.0	7.0	7.0	7.0	7.0	7.0	6.9
24	6.9	6.7	6.7	6.4	7.2	7.1	7.1	7.0	7.0	7.0	7.0	6.9
25	6.9	6.7	6.9	6.6	7.3	7.2	7.1	7.0	7.0	7.0	7.0	6.8
26	6.9	6.8	6.8	6.6	7.3	7.2	7.0	6.9	7.1	7.1	7.0	6.9
27	6.9	6.8	7.0	6.8	7.4	7.2	6.9	6.9	7.1	6.8	7.0	6.9
28	7.0	6.8	7.1	6.8	7.4	7.0	6.9	6.9	6.9	6.8	7.0	6.7
29	7.0	6.9	7.1	6.8	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9
30	7.0	6.9	7.2	7.1	7.2	7.1	7.0	6.9	---	---	7.0	6.8
31	7.0	6.9	---	---	7.3	7.1	7.0	6.9	---	---	7.0	6.8
MONTH	7.0	6.7	7.3	6.4	7.4	6.8	7.2	6.7	7.2	6.8	7.1	6.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.9	6.8	7.3	6.9	7.2	6.9	7.0	6.9	---	---	6.9	6.5
2	6.9	6.8	7.3	7.0	7.1	6.9	7.0	6.9	---	---	7.0	6.8
3	7.0	6.9	7.2	6.9	7.2	6.9	7.0	6.9	---	---	7.1	6.8
4	6.9	6.8	7.0	6.7	7.2	6.9	7.0	6.8	---	---	7.2	7.0
5	6.9	6.9	7.1	6.8	7.2	6.9	7.0	6.8	---	---	7.1	7.0
6	6.9	6.7	7.1	6.9	7.2	6.8	7.0	6.9	7.3	6.9	7.1	6.8
7	7.0	6.7	7.1	6.9	7.0	6.8	7.0	6.8	7.3	7.0	7.1	6.8
8	6.9	6.8	7.3	7.1	7.1	6.8	7.0	6.9	7.2	7.0	7.0	6.7
9	7.0	6.8	7.3	7.0	7.1	6.8	7.0	6.9	7.2	6.9	7.0	6.7
10	7.0	6.9	7.3	7.0	7.0	6.8	7.0	6.9	7.2	6.9	6.9	6.8
11	7.0	6.9	7.3	7.0	7.0	6.8	7.0	7.0	7.1	6.9	6.9	6.7
12	7.0	6.6	7.2	6.8	7.0	6.8	---	---	7.1	6.9	6.9	6.5
13	7.0	6.7	7.1	6.7	7.0	6.7	7.1	6.8	7.0	6.9	6.9	6.6
14	7.0	6.4	7.1	6.8	7.1	6.7	7.0	6.2	7.0	6.8	6.9	6.6
15	6.9	6.5	7.1	6.8	7.1	6.7	6.6	6.4	7.1	6.7	6.9	6.7
16	6.9	6.7	7.2	6.9	7.0	6.6	6.8	6.2	7.0	6.8	7.0	6.8
17	6.9	6.8	7.2	6.9	7.0	6.7	6.8	6.4	7.0	6.7	7.0	6.8
18	7.1	6.8	7.2	6.8	7.0	6.8	7.2	6.8	7.0	6.7	7.0	6.9
19	7.1	7.1	7.2	6.8	7.0	6.8	7.1	6.9	7.0	6.9	7.1	6.7
20	7.1	6.9	7.1	6.7	7.1	6.6	7.2	7.0	6.9	6.8	7.0	6.6
21	7.0	7.0	7.1	6.9	6.9	6.7	7.3	6.9	7.0	6.9	6.9	6.5
22	7.0	6.9	7.0	6.7	7.0	6.9	7.3	6.9	7.0	6.8	6.9	6.4
23	7.1	6.8	7.0	6.7	7.0	6.9	7.2	6.9	7.0	6.8	6.9	6.6
24	7.2	6.9	7.0	6.7	7.0	6.9	7.3	7.0	6.9	6.7	6.8	6.5
25	7.1	6.7	7.0	6.9	7.0	6.8	7.2	6.9	7.0	6.8	6.7	6.3
26	7.2	6.6	7.0	6.8	7.0	7.0	7.3	7.0	7.0	6.5	7.2	6.4
27	7.3	7.0	7.0	6.7	7.0	6.8	7.2	6.9	7.0	6.8	7.2	7.1
28	7.2	7.1	7.0	6.8	7.1	6.8	7.2	7.0	7.0	6.7	7.2	7.0
29	7.2	7.0	7.1	6.6	7.1	6.9	7.2	6.9	7.0	6.7	7.1	7.1
30	7.2	7.1	7.0	6.7	7.0	6.8	6.9	6.8	6.9	6.7	7.1	7.1
31	---	---	7.1	6.9	---	---	6.9	6.7	6.8	6.6	---	---
MONTH	7.3	6.4	7.3	6.6	7.2	6.6	7.3	6.2	7.3	6.5	7.2	6.3
YEAR	7.4	6.2										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	18.0	19.5	16.0	13.0	12.0	7.0	5.0	7.5	6.5	7.5	6.5
2	21.0	19.5	19.0	16.0	13.5	12.0	7.5	5.5	7.5	7.0	8.5	7.5
3	22.5	19.5	19.0	16.0	14.0	12.0	7.5	6.0	8.5	7.5	9.5	8.0
4	23.5	22.0	19.0	16.5	13.5	12.5	7.5	7.0	8.5	8.0	11.5	9.5
5	23.5	21.0	18.5	15.5	13.5	13.0	9.0	7.5	9.5	8.5	12.5	11.5
6	21.0	18.5	16.5	15.5	14.0	13.0	9.0	8.5	8.5	8.0	12.5	11.0
7	20.0	19.0	17.0	15.0	---	---	9.5	8.5	8.0	6.5	11.0	10.0
8	21.5	20.5	17.0	15.5	---	---	9.5	8.0	8.5	6.0	10.0	9.0
9	22.0	20.5	18.0	15.5	11.5	10.5	10.5	8.5	9.0	7.0	10.0	9.0
10	22.0	20.5	17.5	16.5	11.5	10.5	10.5	8.5	10.5	8.0	9.0	8.5
11	21.5	20.0	18.0	15.0	12.0	11.5	8.5	8.0	11.5	9.0	11.0	8.5
12	21.5	20.5	15.0	13.5	12.0	11.5	8.0	7.0	13.0	11.0	11.5	9.5
13	20.0	16.5	13.5	12.5	12.0	11.5	7.5	7.0	13.0	12.5	11.0	10.0
14	18.0	16.5	13.5	12.5	13.0	11.5	8.0	7.0	13.0	11.5	11.0	9.5
15	19.0	17.0	13.0	11.5	12.5	11.0	8.5	7.5	11.5	11.0	12.5	11.0
16	19.5	18.0	13.0	12.5	12.0	10.5	9.5	8.5	11.0	10.0	12.5	12.0
17	20.5	18.0	13.5	12.0	12.5	11.0	9.0	7.5	11.0	10.0	12.0	11.5
18	21.0	18.5	14.0	12.5	12.0	10.5	9.0	8.5	11.0	10.0	15.5	12.0
19	21.5	18.5	15.0	13.0	11.5	10.5	8.5	7.0	13.5	10.5	18.0	15.5
20	21.5	18.5	16.5	14.0	12.0	10.0	7.0	6.0	14.5	13.0	17.0	13.5
21	21.5	18.0	15.0	13.5	11.5	9.5	6.0	5.5	13.0	10.5	14.0	11.5
22	20.0	17.0	14.5	13.0	11.0	7.5	6.5	5.0	10.5	9.5	12.0	11.0
23	18.0	16.5	16.0	14.0	9.0	8.0	8.0	6.0	10.0	9.0	12.5	11.5
24	18.0	16.5	16.5	14.0	8.5	6.5	7.0	5.5	10.5	9.5	13.0	11.5
25	19.0	16.5	14.0	12.5	6.5	4.0	8.0	7.0	10.5	9.5	16.0	13.5
26	18.0	16.5	13.0	12.0	6.0	4.5	8.5	7.5	9.5	9.0	16.5	15.0
27	18.0	15.5	14.0	12.0	7.0	5.5	9.5	8.5	10.0	9.0	15.5	13.5
28	18.5	14.0	15.0	13.5	7.0	3.5	9.0	8.5	9.0	7.5	14.5	13.0
29	18.0	14.5	13.5	12.5	5.0	4.0	10.0	8.5	7.5	7.0	15.0	11.5
30	18.0	16.5	12.5	11.5	5.0	4.0	10.5	8.5	---	---	11.5	10.0
31	18.5	16.5	---	---	5.5	4.5	9.0	7.0	---	---	11.5	10.5
MONTH	23.5	14.0	19.5	11.5	14.0	3.5	10.5	5.0	14.5	6.0	18.0	6.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.5	11.5	18.0	14.0	17.0	15.5	25.0	22.0	---	---	21.0	19.5
2	15.5	13.0	16.5	14.5	17.5	16.0	24.5	24.0	---	---	24.5	19.5
3	14.5	12.5	17.0	15.0	21.0	17.0	25.0	24.0	---	---	26.0	24.0
4	13.5	12.5	18.0	16.5	24.5	21.0	24.0	21.0	---	---	25.5	24.5
5	13.5	12.0	18.0	16.0	23.5	17.5	24.0	21.5	---	---	24.5	20.0
6	12.5	11.5	18.0	16.5	19.0	17.0	25.0	21.5	22.5	21.5	23.0	19.5
7	13.0	12.0	18.5	16.5	18.5	17.0	23.5	21.5	21.5	17.0	22.5	19.5
8	15.0	13.0	17.5	14.5	19.5	17.5	25.0	23.0	19.5	17.0	22.5	19.0
9	14.5	13.0	15.5	14.0	19.5	17.5	27.0	23.5	19.0	16.5	23.5	21.5
10	13.0	11.0	14.5	13.0	23.0	18.0	26.5	24.5	18.5	17.0	24.5	22.0
11	12.5	11.5	15.0	13.5	25.5	22.5	24.0	21.0	19.5	16.5	25.0	22.5
12	13.5	12.5	15.5	14.0	26.5	24.0	---	---	23.0	18.5	22.0	19.5
13	14.0	13.0	16.0	15.0	24.5	20.5	24.5	22.5	24.5	23.0	21.0	18.5
14	14.0	13.0	17.0	15.5	24.0	20.0	23.5	21.0	22.5	17.5	20.0	18.5
15	16.0	14.5	17.0	14.5	23.0	20.0	25.0	22.0	20.0	17.5	22.5	19.0
16	16.0	15.0	16.5	14.0	24.5	19.0	26.5	24.5	19.5	17.0	23.5	21.0
17	16.5	13.0	16.0	14.0	24.0	22.5	26.5	24.0	19.5	17.5	22.5	21.5
18	13.5	12.0	16.0	14.0	27.0	24.0	26.0	22.0	19.5	17.0	22.5	19.0
19	13.5	12.0	16.5	14.5	27.5	25.0	24.0	21.0	24.5	19.0	21.5	18.0
20	12.5	11.5	20.5	16.0	27.5	19.5	23.5	21.0	26.0	24.0	21.0	18.0
21	13.5	12.0	21.5	20.5	24.5	19.5	23.5	20.5	26.0	24.5	19.5	17.5
22	16.5	14.0	21.0	16.5	26.5	25.0	24.5	22.5	25.0	20.5	19.5	17.5
23	17.5	16.0	18.5	17.0	27.0	25.5	23.5	22.0	24.0	20.0	22.5	18.0
24	17.0	15.0	18.5	17.0	27.0	25.5	23.0	19.0	23.5	20.5	24.5	22.0
25	18.0	15.0	18.0	16.5	27.0	25.0	20.5	18.0	23.0	20.0	24.0	18.5
26	19.5	16.0	17.5	16.5	26.0	23.5	20.5	18.0	23.5	22.0	19.5	18.0
27	18.5	16.5	21.5	17.0	23.5	20.5	20.5	18.0	26.0	23.0	19.5	17.5
28	16.5	16.0	23.5	21.5	23.0	21.5	19.5	18.0	26.0	19.0	18.5	17.5
29	18.5	16.5	22.5	18.5	24.0	20.5	22.0	18.0	21.0	19.0	18.5	17.0
30	20.0	18.0	18.0	16.0	22.5	21.0	21.5	21.0	20.0	19.0	19.0	16.5
31	---	---	16.5	15.5	---	---	21.0	19.0	21.0	19.5	---	---
MONTH	20.0	11.0	23.5	13.0	27.5	15.5	27.0	18.0	26.0	16.5	26.0	16.5
YEAR	27.5	3.5										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.9	6.2	8.4	6.5	9.3	8.6	11.7	11.1	11.5	11.0	11.5	11.1
2	6.7	6.1	8.4	6.9	9.2	8.4	11.4	11.1	11.4	10.8	11.1	10.8
3	6.4	5.1	8.3	6.8	9.3	8.3	11.6	11.1	11.3	10.8	10.9	10.5
4	5.1	4.1	8.3	6.8	9.1	8.7	11.3	11.1	11.0	10.4	10.5	9.6
5	5.4	3.6	8.2	6.9	9.2	8.9	11.2	10.7	10.5	9.6	9.6	8.9
6	6.5	5.6	8.4	7.7	9.1	8.9	10.8	10.6	10.1	9.7	10.1	9.1
7	5.6	4.4	8.4	7.7	---	---	11.0	10.5	11.2	10.1	10.6	9.8
8	4.3	3.9	8.5	7.6	---	---	10.8	10.1	11.2	10.4	10.9	10.6
9	6.2	4.0	8.7	7.8	10.4	10.2	10.2	10.0	10.9	10.0	11.1	10.6
10	6.3	5.8	8.4	7.1	10.3	9.5	10.8	10.0	10.6	9.4	11.2	11.0
11	6.0	5.2	8.4	6.7	9.8	9.4	11.1	10.4	10.1	9.3	10.9	9.9
12	5.9	5.1	8.8	8.2	9.3	9.6	11.3	10.9	9.4	8.9	10.2	9.7
13	7.6	6.1	9.1	7.8	9.9	9.7	11.4	11.0	9.0	8.6	10.5	10.0
14	7.3	6.3	8.2	7.6	9.7	9.1	11.2	10.9	10.1	8.6	10.7	10.5
15	7.0	5.9	9.1	7.8	9.5	9.0	10.9	10.3	10.1	9.7	10.5	10.2
16	6.3	5.9	9.1	8.7	9.7	9.0	10.3	10.0	10.6	9.8	10.3	9.8
17	6.4	5.9	9.2	8.4	9.9	9.2	10.7	10.4	10.4	10.0	10.1	9.8
18	7.2	5.3	9.3	8.2	9.9	9.3	10.5	10.2	10.6	9.9	9.7	8.5
19	7.2	5.5	9.1	7.7	9.9	9.3	11.1	10.4	10.3	9.1	8.5	7.8
20	7.2	5.0	8.6	7.3	9.7	9.1	11.6	11.1	9.1	8.6	8.8	8.2
21	6.8	5.1	8.7	8.0	9.8	9.2	11.8	11.4	10.3	9.2	9.9	8.0
22	6.9	5.2	8.8	8.2	10.8	9.4	11.8	11.4	10.4	10.2	10.4	9.8
23	6.8	5.9	8.1	7.5	10.7	10.4	11.5	11.2	10.6	10.1	10.2	9.9
24	7.0	6.2	8.4	7.4	10.9	10.5	12.1	11.6	10.6	10.2	10.0	9.5
25	7.3	5.9	9.1	8.4	11.8	10.7	11.8	11.6	10.7	10.2	9.4	7.9
26	7.2	6.8	9.5	9.1	11.7	11.3	11.7	11.3	10.7	10.4	8.5	7.8
27	7.9	6.3	9.4	8.6	11.7	10.9	11.5	11.1	10.6	9.8	9.2	8.4
28	8.5	6.7	8.7	8.3	12.1	10.9	11.1	10.8	10.9	10.3	9.3	8.1
29	8.5	7.0	9.2	8.9	12.1	11.8	10.8	10.1	11.4	10.9	9.5	7.9
30	8.0	7.2	9.3	9.0	12.2	11.6	10.2	9.9	---	---	10.4	9.5
31	7.7	6.7	---	---	12.0	11.6	11.6	10.4	---	---	10.5	9.9
MONTH	8.5	3.6	9.5	6.5	12.2	8.3	12.1	9.9	11.5	8.6	11.5	7.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.9	8.5	9.4	7.0	9.1	8.5	6.9	5.9	---	---	7.8	7.5
2	8.7	8.3	9.3	7.6	9.0	8.3	6.3	5.9	---	---	7.7	6.2
3	9.2	8.8	8.4	6.7	8.7	7.4	6.5	5.9	---	---	6.5	6.0
4	9.5	9.1	7.6	7.3	7.4	6.6	7.3	6.6	---	---	6.6	6.2
5	9.3	8.9	9.0	7.6	8.9	6.8	7.5	6.8	---	---	8.0	6.4
6	9.6	9.3	8.7	8.0	9.0	8.1	7.4	6.4	7.4	7.0	8.3	6.9
7	9.5	9.2	8.7	7.7	9.0	8.0	7.5	5.9	8.6	7.5	8.3	7.0
8	9.1	7.9	9.1	7.9	9.1	7.9	6.7	6.0	8.6	7.9	8.5	7.3
9	8.6	7.7	9.4	8.3	9.1	8.2	6.8	6.0	8.7	7.8	7.5	6.7
10	9.7	8.6	9.7	8.9	9.0	7.0	6.9	6.1	8.6	7.8	6.8	6.0
11	9.9	9.4	9.6	8.8	6.9	6.1	7.7	7.1	8.6	7.7	7.4	5.9
12	9.8	9.3	9.6	8.8	7.1	6.2	---	---	8.1	5.6	8.0	7.2
13	9.6	9.2	9.4	8.7	8.3	7.2	7.5	7.2	6.7	5.3	8.2	7.4
14	9.5	8.9	9.2	8.3	8.6	7.2	7.7	5.3	8.3	6.8	8.2	7.6
15	8.7	7.7	9.3	8.2	8.8	8.0	7.4	6.9	8.6	7.8	8.0	6.4
16	8.0	7.4	9.5	8.4	9.2	6.6	7.0	5.5	8.6	7.8	7.2	6.1
17	9.3	7.6	9.5	8.4	7.8	6.8	6.3	4.5	8.6	7.7	6.4	6.1
18	9.7	9.4	9.5	8.6	6.9	5.8	7.1	6.0	8.6	7.6	7.4	5.9
19	9.4	8.9	9.5	8.3	6.7	5.8	7.2	6.4	8.0	6.1	7.7	6.2
20	9.6	9.0	8.8	6.9	8.5	6.0	7.3	6.6	6.1	5.4	7.6	6.5
21	9.8	9.4	6.9	5.2	8.7	5.7	7.6	6.5	6.4	5.4	7.7	6.8
22	9.3	8.0	8.7	4.3	5.9	5.2	7.1	6.0	7.5	6.1	7.4	6.8
23	8.4	5.7	8.7	7.8	5.7	5.4	6.8	5.6	7.6	6.4	7.2	5.4
24	8.7	7.9	8.7	7.9	5.9	4.7	8.0	6.6	7.5	6.5	5.5	4.8
25	8.6	7.4	8.8	8.1	5.8	4.4	8.2	7.4	7.7	6.7	7.1	4.7
26	8.6	7.1	8.8	8.1	6.5	5.7	8.2	7.4	7.1	4.4	7.1	6.6
27	8.3	7.6	8.3	6.2	7.8	6.6	8.1	7.1	6.3	5.5	7.2	6.4
28	8.5	8.1	6.9	6.3	7.5	6.7	8.1	7.4	7.8	5.1	7.4	6.7
29	7.9	7.4	7.8	5.7	7.6	6.7	7.9	6.3	7.8	6.1	7.3	6.6
30	7.5	6.7	8.6	7.4	6.9	6.5	7.5	7.0	7.9	7.0	7.2	5.8
31	---	---	9.1	8.4	---	---	7.7	7.0	7.8	7.5	---	---
MONTH	9.9	5.7	9.7	4.3	9.2	4.4	8.2	4.5	8.7	4.4	8.5	4.7
YEAR	12.2	3.6										

02337500 SNAKE CREEK NEAR WHITESBURG, GA.

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, at downstream end of left bank pier of highway bridge, at Banning Mills, 1.5 mi north of State Highway 16, 3 mi northwest of Whitesburg, 4 mi downstream from Little Snake Creek, and 7 mi upstream from mouth.

DRAINAGE AREA.--37 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 850 ft, from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 59.2 ft^3/s, 21.73 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,690 ft^3/s Feb. 25, 1961, gage height, 14.40 ft; minimum, 2.3 ft^3/s Oct. 7, 1954, gage height, 1.56 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 6	0815	1810	7.11	Apr. 20	0630	1070	5.41
Dec. 28	0945	1520	6.52	July 31	1200	*3270	9.44

Minimum discharge, 17 ft^3/s Oct. 4, 7-10, gage height, 2.12 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	20	53	72	63	89	84	92	72	39	264	50
2	18	20	47	68	62	81	80	88	68	40	144	47
3	18	20	335	64	64	77	137	150	63	39	105	45
4	18	20	202	60	66	73	129	133	60	38	82	46
5	20	20	99	58	61	94	109	105	58	39	73	43
6	19	20	511	56	58	86	94	95	54	47	68	42
7	18	19	149	54	57	76	86	89	53	42	63	41
8	18	19	95	51	56	72	84	95	52	37	59	40
9	18	20	78	50	56	69	204	85	50	35	57	39
10	18	20	69	102	62	68	118	79	49	33	54	39
11	19	20	285	86	66	67	99	78	48	32	60	39
12	22	19	164	68	60	66	90	75	46	31	72	38
13	27	20	96	63	156	70	85	71	45	37	80	37
14	23	22	81	59	101	67	90	71	44	139	67	36
15	21	40	70	59	82	64	83	70	43	51	57	35
16	20	31	64	57	75	65	80	68	42	43	52	34
17	19	26	58	56	71	67	78	66	41	40	54	32
18	19	25	55	110	69	66	74	65	40	107	131	31
19	19	24	53	146	67	63	83	64	40	54	94	32
20	19	83	51	89	65	254	393	63	38	46	61	31
21	19	45	49	76	63	193	151	69	47	44	53	31
22	19	34	90	70	69	109	124	72	46	45	49	30
23	31	55	71	69	73	93	111	70	45	48	47	30
24	25	390	59	102	66	90	97	64	41	44	44	30
25	22	98	56	94	63	100	91	63	38	39	42	30
26	21	65	52	81	61	83	86	72	36	37	41	29
27	20	57	53	86	343	81	131	72	36	42	42	29
28	19	227	499	77	141	274	118	106	34	47	54	29
29	19	85	151	72	101	157	115	161	40	126	144	29
30	19	65	92	68	---	104	98	93	42	197	72	30
31	19	---	77	64	---	91	---	78	---	920	57	---
TOTAL	625	1629	3864	2287	2397	3009	3402	2622	1411	2558	2342	1074
MEAN	20.2	54.3	125	73.8	82.7	97.1	113	84.6	47.0	82.5	75.5	35.8
MAX	31	390	511	146	343	274	393	161	72	920	264	50
MIN	18	19	47	50	56	63	74	63	34	31	41	29
CFSM	.55	1.47	3.38	2.00	2.24	2.62	3.05	2.29	1.27	2.23	2.04	.97
IN.	.63	1.64	3.88	2.30	2.41	3.03	3.42	2.64	1.42	2.57	2.35	1.08

CAL YR 1983 TOTAL 27041 MEAN 74.1 MAX 1100 MIN 16 CFSM 2.00 IN 27.19
WTR YR 1984 TOTAL 27220 MEAN 74.4 MAX 920 MIN 18 CFSM 2.01 IN 27.37

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
APR									
03...	0745	127	25	25	6.9	6.5	12.5	10.0	97
JUL									
26...	0700	38	32	29	7.2	6.9	21.5	7.7	90

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
APR												
03...	30	15	6	0	1.4	.65	1.9	37	.3	.80	8.0	2.0
JUL												
26...	8	5.5	7	0	1.6	.72	2.3	39	.4	.80	9.0	1.1

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
APR												
03...	1.8	2.2	<.10	7.5	29	21	9.9	.04	.10	.10	<.010	<.010
JUL												
26...	1.0	2.2	<.10	9.4	32	24	3.3	.04	.10	.13	<.010	.020

DATE	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
APR											
03...	--	.40	.60	.50	.70	<.010	<.010	2.1	30	1	<1
JUL											
26...	.78	.50	.80	.60	--	.050	.020	1.5	<10	1	<1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR											
03...	<1	<10	1	140	3	1	24	<.1	<.1	<1	19
JUL											
26...	<1	<10	<1	190	9	3	28	<.1	<.1	<1	23

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi upstream from Central of Georgia Railroad bridge, 1.2 mi southeast of Whitesburg, 1.5 mi downstream from Cedar Creek, 2.0 mi downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to June 1954, January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft, National Geodetic Vertical Datum of 1929. Prior to May 1, 1949, nonrecording gage at site 1.0 mi upstream at datum 2.00 ft higher. May 1, 1949, to June 30, 1954, nonrecording gage at present site at datum 2.00 ft higher.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the City of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--34 years, 4,092 ft^3/s, 22.87 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft^3/s Jan. 10, 1946, gage height, 25.1 ft, site and datum then in use, from graph based on gage readings, from rating extended above 30,000 ft^3/s on basis of velocity-area and channel-capacity studies; minimum daily, 468 ft^3/s Oct. 26, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,000 ft^3/s Dec. 7, gage height, 16.46 ft; minimum daily, 1,410 ft^3/s Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2150	2410	3610	4510	7610	8430	5620	7890	7170	2400	16200	5050
2	1750	2920	3090	3130	7470	6870	3220	8300	6090	2120	16300	3340
3	1520	2890	8270	4600	7710	6490	6480	15900	4040	2640	11600	2130
4	1440	3000	17600	5760	8150	4600	8910	19800	2570	3440	9300	2260
5	1730	3160	11800	5750	4730	3720	7910	12600	4120	3240	7520	2880
6	2800	2310	14100	5870	2780	6610	7000	10500	5660	3330	6680	2840
7	2330	1980	22200	5290	3210	5670	6480	7860	5320	4030	6780	2750
8	1740	2350	18000	3730	4000	6170	4390	9120	5510	3000	7490	2740
9	1530	3030	8090	2530	3610	5980	5610	8360	5300	1990	7150	2020
10	1410	3000	4750	5900	3630	5750	10200	9470	3600	2500	7060	1810
11	1450	2550	6660	11500	4010	3950	10100	9470	2090	3130	6920	2080
12	1540	3030	15300	7500	3150	2800	9120	9280	2680	3110	4470	3560
13	4030	2430	8250	6380	6770	4840	8820	8430	3380	3140	3930	4220
14	4330	1760	5950	5470	11800	6300	8790	7020	3380	5120	7600	4590
15	2170	4370	4620	3810	8340	5880	5820	7350	3760	3510	7990	4100
16	1690	5670	3700	3010	6910	5750	3480	7340	3870	2120	7250	2380
17	1560	3540	3500	4510	6600	6510	5170	7250	2820	4940	6970	1720
18	1970	2700	3270	6230	6140	5010	6290	7250	2010	5580	6850	2190
19	2180	2630	3160	10900	4410	3410	6430	6990	2240	5390	4070	3110
20	2180	4130	3030	8040	2960	5700	13300	4190	3300	3710	2180	3040
21	2130	6650	2770	6690	4870	13900	14800	2590	3870	3320	2690	3570
22	2140	4110	4500	4390	5720	9610	7450	6230	2000	2460	3310	4150
23	2010	2610	7260	3040	6810	8470	5610	6320	1870	3120	3330	2880
24	2530	11400	4660	6240	6390	7190	5860	5930	1930	4580	3240	1660
25	2590	10800	4280	7650	6260	5300	5380	5720	2290	4990	3240	2550
26	2260	5950	4460	7270	5990	3490	4820	5830	2310	5010	3160	4280
27	2210	4040	3420	7100	9660	5240	6690	4910	2910	5020	2220	4310
28	2630	8480	9990	6740	15400	8910	7230	2760	2730	6060	3110	4290
29	2610	8700	15100	4470	10400	14300	6880	11400	2760	5500	6690	4350
30	2150	5110	9590	3220	---	10600	4490	13400	3480	9640	7490	3030
31	1830	---	7830	6080	---	10000	---	8970	---	13300	5500	---
TOTAL	66590	127710	242810	177310	185490	207450	212350	258370	105060	131440	198290	93880
MEAN	2148	4257	7833	5720	6396	6692	7078	8335	3502	4240	6396	3129
MAX	4330	11400	22200	11500	15400	14300	14800	19800	7170	13300	16300	5050
MIN	1410	1760	2770	2530	2780	2800	3220	2590	1870	1990	2180	1660

CAL YR 1983	TOTAL	1809640	MEAN	4958	MAX	29100	MIN	1410	MEAN†	4972	CFSM†	2.05	IN†	27.77
WTR YR 1984	TOTAL	2006750	MEAN	5483	MAX	22200	MIN	1410	MEAN†	5646	CFSM†	2.32	IN†	31.63

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: August 1975 to September 1976, November 1978 to September 1984 (discontinued).

INSTRUMENTATION.--Water-temperature recorder November 1978 to September 1984.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen, U.S. Geological Survey. No daily water-temperature record Nov. 5 to Jan. 16, Mar. 4 to Apr. 4, May 31 to June 5, and June 12-28.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 31.5°C June 24, 1981; minimum, 1.5°C Jan. 13, 1982.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 27.0°C July 10, 11; minimum recorded, 4.0°C Jan. 22.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
04...	0930	1380	100	99	7.1	7.1	20.0	22.0	7.2	81
NOV										
02...	1200	3630	74	80	6.9	7.0	16.5	21.5	7.4	77
DEC										
08...	1215	18700	42	43	6.6	6.6	10.5	11.5	8.9	82
JAN										
04...	1300	5450	55	57	7.0	7.0	6.5	12.0	10.9	91
FEB										
07...	1115	3320	85	80	7.1	6.7	6.0	2.0	10.6	85
MAR										
06...	1400	6350	64	65	7.0	7.2	12.0	12.5	8.6	83
APR										
04...	1445	8200	49	53	6.9	7.1	14.5	23.0	9.1	92
MAY										
02...	1130	7680	56	58	6.8	7.0	16.0	25.0	8.6	90
JUN										
06...	1015	5400	60	56	7.2	7.0	18.0	33.0	8.5	91
JUL										
10...	1145	2900	100	90	7.1	7.0	25.5	37.0	6.5	81
AUG										
08...	0945	6710	58	56	--	7.1	18.5	28.5	7.6	82
SEP										
05...	1200	3560	89	80	7.1	7.1	23.0	29.0	7.0	83

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
04...	10	1.1	700	21	8	72	1.5	.240	.490	7.1
NOV										
02...	17	1.9	330	16	37	96	.95	.260	.390	3.4
DEC										
08...	52	2.1	49000	11	136	176	.24	.110	.220	7.0
JAN										
04...	28	1.9	330	15	45	80	.48	.310	.130	2.4
FEB										
07...	11	1.8	460	18	14	108	.85	.640	.200	2.1
MAR										
06...	65	4.3	13000	17	121	196	.61	.310	.310	4.6
APR										
04...	70	2.2	13000	14	144	208	.44	.140	.130	4.1
MAY										
02...	50	2.0	4900	15	69	116	.60	.240	.200	4.4
JUN										
06...	25	.8	7000	14	61	120	.67	.090	.200	2.8
JUL										
10...	27	1.1	--	17	49	120	1.5	.120	.500	2.9
AUG										
08...	31	1.4	4900	14	60	60	.61	.090	.150	3.3
SEP										
05...	19	1.4	4900	18	37	96	1.3	.070	.410	2.6

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
24...	1150	2710	16.0	49	359
24...	1155	2710	16.0	49	359
DEC					
05...	1625	9900	--	228	6100
05...	1630	9900	--	237	6340
06...	1210	14200	--	403	15400
06...	1215	14200	--	472	18100
06...	1430	16500	--	488	21700
06...	1645	18100	--	560	27300
06...	1650	18100	--	561	27300
06...	2000	19600	--	667	35200
06...	2005	19600	--	749	39600
07...	1420	22700	--	466	28600
07...	1425	22700	--	448	27500
08...	1055	19600	--	285	15100
08...	1650	15200	--	264	10900
08...	1655	15200	--	252	10400
JAN					
16...	1230	3100	5.5	31	259
16...	1235	3100	5.5	33	276
FEB					
23...	1215	6990	9.0	37	699
23...	1220	6990	9.0	41	774
APR					
10...	1240	10300	13.0	365	10100
10...	1245	10300	13.0	397	11000
AUG					
15...	1200	7670	19.5	184	3810
15...	1205	7670	19.5	181	3750
SEP					
17...	1145	1750	20.5	7	33
17...	1150	1750	20.5	6	28

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
DEC							
06...	1430	16500	49	60	77	97	100
06...	1435	16500	51	--	--	--	--
08...	1055	19600	56	--	--	--	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
DEC											
05...	1650	9830	--	<1	2	22	78	99	100	--	--
05...	1651	9830	--	<1	2	28	70	91	98	>99	100
06...	1717	18400	--	--	1	20	63	88	96	100	--
06...	1718	18400	--	<1	2	31	67	94	>99	100	--
06...	1719	18400	2	27	90	99	>99	>99	>99	100	--

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	18.0	19.0	16.5			---	---	7.5	6.5	7.0	6.5
2	20.0	18.5	18.5	16.0			---	---	8.0	6.5	8.0	6.5
3	21.0	20.0	18.5	15.5			---	---	8.0	7.0	9.5	7.5
4	22.0	20.0	18.5	16.5			---	---	9.0	7.5	---	---
5	23.0	22.0	---	---			---	---	8.0	8.0	---	---
6	23.0	20.5	---	---			---	---	8.0	7.0	---	---
7	20.5	18.0	---	---			---	---	7.5	6.0	---	---
8	19.5	19.5	---	---			---	---	6.5	5.5	---	---
9	21.0	19.5	---	---			---	---	8.5	5.0	---	---
10	20.5	20.0	---	---			---	---	9.0	7.0	---	---
11	20.0	20.0	---	---			---	---	11.0	8.0	---	---
12	20.5	20.0	---	---			---	---	12.0	9.5	---	---
13	20.5	16.5	---	---			---	---	12.5	12.0	---	---
14	17.5	16.5	---	---			---	---	13.0	12.0	---	---
15	18.5	16.0	---	---			---	---	12.0	11.0	---	---
16	18.5	17.0	---	---			---	---	11.5	10.5	---	---
17	19.0	18.0	---	---			9.0	7.5	11.0	9.5	---	---
18	20.5	19.0	---	---			8.5	7.5	11.5	10.0	---	---
19	21.0	18.5	---	---			8.5	7.0	11.5	9.5	---	---
20	21.0	18.5	---	---			7.0	6.0	13.0	12.0	---	---
21	21.0	18.5	---	---			6.0	5.0	13.0	11.5	---	---
22	20.0	17.5	---	---			5.0	4.0	11.5	9.5	---	---
23	18.5	16.5	---	---			5.5	5.0	9.5	9.0	---	---
24	17.0	16.0	---	---			7.0	5.5	10.5	9.0	---	---
25	18.5	16.0	---	---			7.5	6.0	11.0	9.5	---	---
26	18.0	15.5	---	---			8.5	7.5	10.0	8.5	---	---
27	17.0	15.0	---	---			9.5	8.0	9.5	9.0	---	---
28	17.5	15.0	---	---			9.0	8.5	9.5	7.5	---	---
29	17.5	14.0	---	---			8.5	8.0	7.5	7.0	---	---
30	17.5	14.5	---	---			9.0	8.0	---	---	---	---
31	17.5	16.0	---	---			9.0	7.0	---	---	---	---
MONTH	23.0	14.0	19.0	15.5			9.5	4.0	13.0	5.0	9.5	6.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	19.0	15.0	---	---	25.0	23.0	21.0	19.5	21.0	20.0
2	---	---	17.5	14.5	---	---	24.5	22.5	21.5	19.0	21.5	21.0
3	---	---	17.0	15.0	---	---	24.5	22.5	23.0	21.0	24.5	21.5
4	---	---	18.0	15.5	---	---	24.5	22.0	22.0	21.0	24.5	24.0
5	13.5	13.0	19.0	17.0	---	---	24.0	22.0	21.5	19.0	24.5	23.0
6	13.0	12.0	19.0	16.0	19.5	18.0	24.0	22.0	22.0	19.0	23.5	20.0
7	13.0	11.5	19.5	17.0	20.0	18.5	24.5	24.0	22.5	20.0	22.5	19.5
8	14.0	12.5	19.0	14.5	20.0	18.0	25.5	24.0	20.5	18.0	22.5	19.5
9	14.0	14.0	16.0	14.5	20.0	18.5	26.0	25.0	20.0	17.5	22.0	19.5
10	14.0	11.5	16.0	13.5	20.5	19.0	27.0	25.0	20.0	17.5	23.0	21.5
11	12.0	11.5	16.5	13.5	23.0	20.5	27.0	25.0	20.0	17.5	24.5	22.5
12	14.0	12.0	16.5	14.0	---	---	25.0	23.0	20.5	17.5	24.5	22.0
13	14.5	13.0	17.5	14.5	---	---	24.5	22.5	24.0	20.5	21.5	20.5
14	14.5	13.5	18.5	15.0	---	---	24.0	22.0	24.0	20.0	20.5	19.0
15	15.0	13.5	17.5	15.5	---	---	24.0	22.0	21.0	18.5	20.0	19.0
16	15.0	14.5	18.0	15.0	---	---	25.5	24.0	20.5	18.0	22.0	19.5
17	15.5	14.0	16.5	14.0	---	---	26.0	25.0	20.5	17.5	21.0	20.5
18	14.0	12.5	17.5	14.0	---	---	25.5	23.0	20.0	18.0	21.5	20.5
19	13.0	12.5	17.5	14.5	---	---	23.5	22.5	21.0	18.0	21.5	19.5
20	12.5	11.5	18.5	15.0	---	---	24.0	22.5	25.0	21.0	21.5	18.5
21	13.0	11.5	20.0	15.5	---	---	24.5	22.0	26.0	24.5	20.0	18.5
22	15.5	13.0	21.0	20.0	---	---	24.5	22.0	26.0	24.0	19.0	18.0
23	17.0	15.5	20.0	16.5	---	---	24.0	23.0	24.5	22.0	20.0	18.5
24	17.0	15.5	19.5	17.5	---	---	24.0	23.0	24.0	21.0	22.5	20.0
25	17.0	15.5	19.0	17.0	---	---	23.5	20.0	24.0	21.0	24.5	22.0
26	19.0	16.0	18.5	17.5	---	---	21.0	19.5	23.5	21.0	23.5	19.5
27	19.0	17.0	20.5	17.5	---	---	20.5	19.5	24.0	23.5	19.5	19.0
28	17.0	16.5	22.0	20.5	---	---	20.5	19.0	26.0	24.0	19.0	18.0
29	18.0	16.0	22.0	19.0	25.0	23.0	21.0	18.5	25.5	20.0	18.0	17.5
30	19.0	17.5	19.0	17.5	24.5	22.0	21.5	21.0	21.0	20.0	17.5	17.5
31	---	---	---	---	---	---	21.0	20.5	21.0	19.0	---	---
MONTH	19.0	11.5	22.0	13.5	25.0	18.0	27.0	18.5	26.0	17.5	24.5	17.5
YEAR	27.0	4.0										

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, at bridge on U.S. Highway 27 at Franklin, and at mile 235.5.

DRAINAGE AREA.--2,680 mi^2, approximately.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Records of discharge for the calendar years 1928-31 and 1938-39 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH (STAND- ARD UNITS)	PH LAB (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TEMPER- ATURE, AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT									
04...	1145	118	116	--	6.7	22.0	28.0	7.8	92
NOV									
02...	1345	94	101	7.1	7.2	19.0	23.0	8.3	91
DEC									
08...	1100	40	44	6.6	6.6	11.0	10.5	8.8	81
JAN									
04...	1400	64	68	7.1	6.9	6.0	12.5	11.2	92
FEB									
07...	1330	84	80	7.2	7.0	7.5	6.0	11.0	92
MAR									
06...	1515	66	67	7.0	7.2	12.5	12.0	8.8	86
APR									
04...	1645	58	60	6.9	7.1	14.5	23.0	8.9	90
MAY									
02...	1300	50	51	6.9	7.0	15.5	25.0	8.9	92
JUN									
06...	1245	86	82	7.1	7.1	24.0	33.0	6.7	80
JUL									
10...	1245	98	92	7.3	7.1	27.0	35.5	6.7	85
AUG									
08...	1200	59	58	--	7.1	20.5	31.0	7.5	85
SEP									
05...	1300	80	95	7.2	7.2	25.0	27.5	7.5	92

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
04...	8.0	.7	50	20	7	88	1.4	.050	.310	2.0
NOV										
02...	15	1.5	230	16	26	104	1.4	.250	.480	2.3
DEC										
08...	65	2.4	7000	10	178	232	.26	.060	.280	6.4
JAN										
04...	28	2.3	310	15	39	84	.67	.430	.200	2.9
FEB										
07...	11	1.7	230	16	14	64	.79	.280	.120	1.7
MAR										
06...	60	2.8	4300	17	139	180	.74	.220	.300	5.3
APR										
04...	100	2.8	23000	14	186	256	.50	.090	.160	6.3
MAY										
02...	80	1.5	3300	13	125	164	.54	.110	.160	4.3
JUN										
06...	30	1.4	1100	18	75	120	1.1	.140	.360	3.6
JUL										
10...	30	1.1	--	17	24	80	.89	.030	.270	2.9
AUG										
08...	35	1.0	2800	14	94	120	.59	.070	.200	2.6
SEP										
05...	11	1.1	490	16	11	92	1.5	.060	.290	1.9

02338660 NEW RIVER NEAR CORINTH, GA.

LOCATION.--Lat 33°14'07", long 84°59'16", Heard County, Hydrologic Unit 03130002, at bridge on State Highway 100, 1.7 mi downstream of Caney Creek, 2.5 mi west of Corinth, 3.9 mi downstream of Mountain Creek, and 8.1 mi upstream of Chattahoochee River.

DRAINAGE AREA.--127 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 634.68 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 165 ft^3/s, 17.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.92 ft April 14, 1979 (discharge not determined); minimum daily discharge, 1.5 ft^3/s Oct. 7, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	1600	*2430	10.21

Minimum daily discharge, 20 ft^3/s Oct. 5, 8-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	32	248	279	191	350	220	173	119	60	947	141
2	23	33	189	240	182	277	202	161	110	55	554	111
3	22	33	633	221	180	243	296	300	102	70	339	101
4	21	34	2240	203	245	222	413	1330	94	64	218	95
5	20	35	1260	192	215	275	285	846	88	49	161	92
6	21	36	765	180	176	533	231	384	82	43	145	84
7	21	36	1200	167	163	423	206	284	79	88	143	77
8	20	36	566	155	158	301	192	243	76	67	117	70
9	20	37	386	150	156	247	376	224	71	51	109	67
10	20	38	312	273	161	221	552	178	67	42	109	64
11	22	38	396	637	302	209	359	158	65	38	103	63
12	26	37	1030	441	272	195	281	144	62	41	206	61
13	43	37	668	290	650	200	238	135	58	46	176	57
14	72	50	416	236	1140	199	221	128	59	201	147	56
15	45	262	313	212	552	181	226	137	53	562	113	54
16	34	497	238	202	368	173	198	122	51	213	95	60
17	30	207	206	188	289	177	183	110	48	130	88	58
18	29	110	187	305	245	192	175	104	47	182	307	56
19	28	87	174	621	222	171	166	101	45	336	311	55
20	27	222	165	534	211	295	273	97	42	134	200	55
21	27	593	157	331	195	973	338	116	40	105	127	54
22	27	315	199	252	189	581	227	226	42	102	103	52
23	40	166	240	229	218	335	201	160	50	158	93	50
24	65	549	181	353	193	262	174	122	52	103	84	50
25	50	954	170	400	172	328	157	108	46	88	78	50
26	40	469	161	323	162	301	147	143	40	161	66	49
27	36	260	152	345	419	238	155	441	36	177	63	47
28	34	480	500	355	985	373	164	279	34	128	60	47
29	36	877	1240	276	542	479	182	195	46	359	272	48
30	34	418	623	236	---	332	162	174	77	462	800	49
31	33	---	360	209	---	250	---	136	---	578	273	---
TOTAL	990	6978	15575	9035	9153	9536	7200	7459	1881	4893	6607	1973
MEAN	31.9	233	502	291	316	308	240	241	62.7	158	213	65.8
MAX	72	954	2240	637	1140	973	552	1330	119	578	947	141
MIN	20	32	152	150	156	171	147	97	34	38	60	47
CFSM	.25	1.84	3.95	2.29	2.49	2.43	1.89	1.90	.49	1.24	1.68	.52
IN.	.29	2.04	4.56	2.65	2.68	2.79	2.11	2.18	.55	1.43	1.94	.58

CAL YR 1983 TOTAL 71664.4 MEAN 196 MAX 3180 MIN 8.0 CFSM 1.54 IN 20.99
WTR YR 1984 TOTAL 81280.0 MEAN 222 MAX 2240 MIN 20 CFSM 1.75 IN 23.81

02338660 NEW RIVER NEAR CORINTH, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
  WATER TEMPERATURES: October 1978 to September 1984 (discontinued).
INSTRUMENTATION.—Water-temperature recorder October 1978 to September 1984.
REMARKS.—No daily water-temperature record Feb. 26 to Apr. 10, July 25 to Aug. 8 and Aug. 14, 15.
EXTREMES FOR PERIOD OF DAILY RECORDS.—
  WATER TEMPERATURES: Maximum, 32.5°C July 16, 1981; minimum, 0.0°C Jan. 12-14, 18, Dec. 20-21, 1981, Dec. 25-27, 31, 1983.
EXTREMES FOR CURRENT YEAR.—
  WATER TEMPERATURES: Maximum recorded, 27.5°C July 11; minimum, 0.0°C Dec. 25-27, 31.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	19.0	15.0	16.0	14.0	10.5	8.5	2.0	.5	6.0	4.0		
2	19.0	15.0	16.0	13.5	10.5	8.5	3.0	1.0	7.0	4.5		
3	19.5	15.0	16.5	13.0	12.5	10.5	4.5	3.0	8.0	6.0		
4	19.5	16.5	15.5	14.0	13.5	12.5	4.5	2.5	10.0	8.0		
5	21.0	10.5	17.5	12.0	13.0	11.5	6.5	4.5	9.0	7.0		
6	21.0	17.5	12.0	10.0	14.5	12.5	7.0	5.0	6.5	4.0		
7	18.5	16.0	12.0	10.0	12.5	8.5	7.0	5.5	4.0	2.5		
8	19.0	16.5	14.5	11.5	8.5	6.5	6.0	4.5	4.5	2.0		
9	19.5	16.0	14.5	12.5	8.5	6.5	7.0	5.0	6.0	3.0		
10	18.5	17.0	17.0	14.0	9.0	7.0	8.0	7.0	8.0	6.0		
11	17.5	17.0	15.5	10.5	11.0	9.0	7.5	5.0	11.0	8.0		
12	18.5	17.0	10.5	8.5	11.0	10.0	4.5	3.0	13.0	10.0		
13	18.5	16.5	9.0	8.0	10.0	9.5	5.5	4.5	13.0	12.5		
14	16.5	14.0	8.0	7.0	10.0	9.5	6.5	4.5	13.0	11.5		
15	15.0	12.0	11.0	8.0	9.5	8.0	6.0	5.5	12.0	9.5		
16	16.0	13.0	10.5	9.0	8.0	6.5	7.0	6.0	11.5	9.5		
17	16.0	14.0	8.5	7.0	8.0	7.0	7.5	7.0	12.5	10.0		
18	18.0	15.5	8.5	7.0	7.5	7.0	8.5	7.5	12.0	9.5		
19	18.5	16.0	11.0	7.5	7.5	6.0	8.0	5.0	13.5	10.5		
20	19.0	16.0	13.5	11.0	7.5	6.5	4.5	2.5	12.5	12.5		
21	18.5	17.0	12.0	10.5	7.5	6.5	3.0	2.0	12.0	11.0		
22	17.0	15.5	11.0	9.0	7.0	6.0	2.5	1.0	11.0	9.0		
23	16.0	15.5	14.0	10.5	6.5	5.5	4.0	2.5	10.5	9.0		
24	16.0	15.5	17.0	13.0	6.0	1.5	5.5	4.0	11.0	8.0		
25	16.0	14.5	12.5	10.0	1.0	.0	7.5	5.5	10.5	9.0		
26	15.5	13.5	9.5	8.0	.0	.0	8.0	6.0	---	---		
27	13.5	11.0	11.5	9.0	1.0	.0	10.0	8.0	---	---		
28	13.0	10.0	14.5	12.0	3.5	1.5	9.0	7.0	---	---		
29	13.5	10.5	12.0	9.0	4.0	3.0	8.0	6.0	---	---		
30	14.0	11.5	9.0	7.0	2.5	.5	7.5	5.5	---	---		
31	14.5	12.5	---	---	1.0	.0	7.0	5.0	---	---		
MONTH	21.0	10.0	17.5	7.0	14.5	.0	10.0	.5	13.5	2.0		

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	20.5	18.5	18.0	15.5	22.5	21.5	---	---	23.5	22.0
2	---	---	20.0	17.5	19.5	17.0	23.5	21.0	---	---	23.5	22.5
3	---	---	20.0	18.5	21.0	18.5	23.5	21.5	---	---	24.5	23.0
4	---	---	19.0	18.0	22.0	19.5	25.0	22.5	---	---	24.0	22.0
5	---	---	20.0	17.5	23.0	20.5	26.5	23.0	---	---	22.0	20.5
6	---	---	23.0	20.0	23.0	21.0	25.0	23.0	---	---	21.0	19.5
7	---	---	23.5	22.5	24.0	22.0	24.0	22.0	---	---	21.0	19.0
8	---	---	23.5	19.0	24.0	21.5	24.0	21.5	---	---	20.5	19.0
9	---	---	19.0	16.5	24.0	21.5	25.0	22.0	24.5	24.0	21.0	19.0
10	---	---	18.0	15.5	24.5	22.0	26.0	23.0	25.0	23.5	21.5	19.5
11	14.0	11.0	15.0	16.5	24.5	22.0	27.5	23.5	24.5	23.5	22.5	20.5
12	17.0	12.5	20.0	17.5	24.5	22.0	26.0	24.0	24.0	23.5	23.5	21.0
13	18.5	15.0	21.0	19.0	25.0	22.0	25.5	23.0	24.5	23.5	23.5	21.5
14	18.0	16.5	21.5	20.0	25.0	22.5	24.0	22.5	---	---	24.0	21.5
15	17.0	15.5	21.0	19.5	25.5	22.5	22.5	22.0	---	---	24.0	22.0
16	15.5	13.5	19.5	17.5	25.0	22.5	23.5	22.5	25.5	24.5	22.0	20.5
17	14.0	12.5	18.5	16.5	26.0	22.5	24.5	23.0	25.5	24.0	20.5	19.5
18	15.5	11.5	19.5	16.5	26.0	23.0	25.0	23.5	24.5	23.5	20.0	19.0
19	14.5	12.5	20.5	17.5	26.0	23.0	23.5	22.5	23.5	23.0	20.5	18.0
20	16.0	13.0	21.5	19.0	25.5	23.5	23.5	23.0	24.0	23.0	20.0	17.5
21	18.5	15.5	20.5	20.0	26.5	23.5	24.5	22.5	24.5	23.0	[illegible]	17.5
22	18.5	17.5	21.0	19.0	25.5	24.0	24.5	22.5	24.5	23.0	[illegible]	18.0
23	19.0	17.5	21.5	19.5	25.0	23.5	23.5	21.5	25.0	23.5	[illegible]	19.0
24	18.0	15.5	22.0	20.5	26.0	23.5	25.0	23.0	24.0	22.0	22.0	20.0
25	18.5	15.5	21.5	20.5	26.5	23.5	---	---	23.5	21.5	22.5	20.0
26	19.5	16.5	21.5	20.5	24.5	22.0	---	---	24.0	22.5	22.0	20.0
27	20.0	19.0	21.0	20.0	25.0	22.5	---	---	24.5	23.0	21.5	20.0
28	20.0	19.0	22.0	20.5	25.0	22.0	---	---	25.0	23.0	21.0	19.5
29	20.0	18.0	21.5	19.5	23.5	22.0	---	---	24.0	22.0	20.0	19.0
30	21.0	19.5	19.0	16.5	23.0	21.5	---	---	22.5	21.5	19.0	17.5
31	---	---	17.0	15.0	---	---	---	---	24.0	22.5	---	---
MONTH	21.0	11.0	23.5	15.0	26.5	15.5	27.5	21.0	25.5	21.5	24.5	17.5
YEAR	27.5	.0										

02338720 CHATTAHOOCHEE RIVER NEAR LA GRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at La Grange waterworks intake, 1.2 mi upstream from Yellowjacket Creek, and 5.3 mi northwest of La Grange.
DRAINAGE AREA.--3,010 mi^2, approximately.
PERIOD OF RECORD.--July 1974 to current year.
REMARKS.--Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
04...	1315	86	85	9.0	8.9	24.0	27.0	11.0	133
NOV									
02...	1500	88	99	7.4	7.3	17.5	23.0	9.8	104
DEC									
08...	1000	47	51	6.6	6.6	12.5	6.0	8.2	78
JAN									
04...	1500	49	51	6.8	6.9	4.0	14.0	11.2	87
FEB									
07...	1400	57	54	7.1	6.7	7.5	6.5	10.4	87
MAR									
06...	1630	53	53	7.0	7.1	10.0	10.5	10.2	94
APR									
04...	1745	50	52	7.0	7.1	15.0	21.0	9.4	96
MAY									
02...	1415	60	64	7.1	7.1	20.0	25.0	9.0	102
JUN									
06...	1330	63	59	7.6	7.2	28.0	35.5	12.0	155
JUL									
10...	1345	93	89	9.4	8.4	30.5	38.0	14.6	197
AUG									
08...	1230	60	58	--	7.3	29.5	34.5	9.9	132
SEP									
06...	0900	69	74	8.7	8.2	26.0	21.0	7.7	96

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
04...	5.0	13	3.1	20	<20	23	3	.57	.070	.60	.510	4.3
NOV												
02...	5.0	11	2.0	40	<20	17	5	1.0	.060	.40	.120	2.8
DEC												
08...	60	6	1.3	23000	1700	11	52	.33	.110	.40	.230	8.0
JAN												
04...	40	12	1.7	28000	790	12	14	.39	.180	.50	.100	3.1
FEB												
07...	16	2	1.5	3300	170	11	12	.43	.200	.30	.080	1.5
MAR												
06...	31	5	.9	3100	220	13	15	.50	.130	.30	.080	4.5
APR												
04...	26	6	1.0	2200	330	14	24	.42	.080	.60	.100	2.6
MAY												
02...	15	7	2.0	1400	50	14	14	.60	.100	.40	.080	3.6
JUN												
06...	25	<1	1.6	790	50	15	12	.29	.090	.30	.050	3.2
JUL												
10...	5.0	--	2.2	--	--	20	3	.12	.320	--	.060	3.2
AUG												
08...	30	--	2.0	--	--	15	16	.21	.040	--	.100	4.1
SEP												
06...	5.0	--	2.9	20	<20	18	5	.39	.050	--	.070	2.8

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.

LOCATION.--Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 0.7 mi downstream of Flat Creek, 5.8 mi southwest of Hogansville, and 6.9 mi upstream of Beech Creek.

DRAINAGE AREA.--91.0 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 640.93 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for those of no gage-height record, June 2-27, which are fair. Some diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--6 years, 121 ft^3/s, 18.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,990 ft^3/s Apr. 21, 1982, gage height, 10.71 ft; minimum daily discharge, 2.8 ft^3/s Oct. 3, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	0700	*2630	9.40	May 4	1300	1340	7.57

Minimum daily discharge, 17 ft^3/s Oct. 4, 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	31	166	197	134	234	178	120	72	35	573	61
2	21	30	128	171	126	188	158	110	66	47	337	50
3	18	32	978	155	126	164	249	530	62	36	202	46
4	17	35	2110	142	156	151	300	1230	58	31	151	47
5	18	36	945	134	143	201	203	583	54	29	108	49
6	18	38	869	124	122	366	169	239	50	38	92	44
7	18	38	744	115	113	283	146	183	47	140	81	40
8	17	38	354	105	109	204	138	155	45	68	71	37
9	17	40	247	100	108	169	231	159	42	42	69	35
10	18	40	192	232	121	148	203	127	40	34	67	34
11	19	40	371	429	260	139	161	108	38	30	73	33
12	21	38	662	241	214	134	149	97	36	27	78	32
13	42	38	362	175	771	144	135	90	35	27	75	31
14	54	67	237	149	926	141	127	81	33	32	68	30
15	31	335	188	141	473	127	126	83	31	33	61	29
16	25	413	155	136	284	121	117	73	30	34	55	27
17	23	141	135	127	220	125	116	66	29	32	51	26
18	22	83	123	223	186	132	112	63	28	34	126	25
19	22	65	116	305	168	121	106	60	27	40	88	25
20	21	271	109	328	157	288	144	58	26	33	69	25
21	21	488	103	209	144	572	133	65	25	30	60	24
22	21	192	161	168	140	283	120	127	26	40	52	23
23	30	118	196	155	147	194	184	105	38	70	48	22
24	35	639	135	225	136	165	127	84	35	40	46	22
25	32	865	104	235	125	320	106	80	30	32	43	22
26	28	334	96	204	115	299	97	99	27	151	42	22
27	25	178	100	232	446	220	113	119	24	102	43	21
28	24	606	384	226	787	533	122	102	21	73	40	21
29	23	728	911	181	362	555	139	94	29	299	110	21
30	25	273	414	157	---	297	118	85	42	309	245	22
31	28	---	246	142	---	211	---	77	---	466	95	---
TOTAL	756	6270	12241	6083	7319	7229	4527	5272	1146	2434	3319	946
MEAN	24.4	209	395	196	252	233	151	170	38.2	78.5	107	31.5
MAX	54	865	2110	505	926	572	300	1230	72	466	573	61
MIN	17	30	96	100	108	121	97	58	21	27	40	21
CFSM	.27	2.30	4.34	2.15	2.77	2.56	1.66	1.87	.42	.86	1.18	.35
IN.	.31	2.56	5.00	2.49	2.99	2.96	1.85	2.16	.47	.99	1.36	.39

CAL YR 1983 TOTAL 58139 MEAN 159 MAX 2110 MIN 13 CFSM 1.75 IN 23.77
WTR YR 1984 TOTAL 57542 MEAN 157 MAX 2110 MIN 17 CFSM 1.73 IN 23.52

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.

LOCATION.--Lat 33°07'20", long 85°14'57", Randolph County, Hydrologic Unit 03130002, on left bank 50 ft downstream of bridge on county road, 0.7 mi downstream from Little Wehadkee Creek, 2.1 mi upstream from Cuss Creek, and 3.5 mi southeast of Rock Mills.

DRAINAGE AREA.--60.2 mi².

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 647.21 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those of no gage-height record, Dec. 11 to Jan. 16 and May 3-23, which are poor. Some diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--6 years, 96.8 ft³/s, 21.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,390 ft³/s Feb. 3, 1982, gage height, 14.42 ft; minimum daily discharge, 2.4 ft³/s Oct. 3, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 24	1315	1050	8.56
Dec. 3	1715	*1800	10.27
Dec. 28	unknown	unknown	unknown

Minimum daily discharge, 14 ft³/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	19	81	130	102	149	120	93	51	35	198	28
2	15	18	70	110	98	135	114	92	48	44	314	26
3	15	19	1060	100	99	126	244	200	45	35	456	26
4	15	19	793	95	129	119	215	600	42	29	139	26
5	15	20	267	85	101	146	173	350	40	27	97	28
6	17	19	600	75	91	174	144	180	38	26	77	26
7	15	19	318	70	86	135	129	140	37	24	66	25
8	15	19	181	65	84	120	122	120	37	24	59	23
9	14	19	140	60	85	113	182	100	35	23	58	23
10	14	20	117	100	92	109	145	90	34	22	53	22
11	17	20	150	250	187	107	130	80	33	20	48	22
12	22	19	400	180	120	103	121	74	33	22	74	21
13	28	19	350	140	387	104	113	68	31	23	72	20
14	26	39	200	120	243	101	132	66	30	24	98	20
15	21	253	130	110	164	96	135	74	29	22	59	19
16	19	98	100	100	137	94	112	64	28	60	49	18
17	18	48	90	94	123	98	109	60	27	79	47	18
18	18	38	80	196	113	98	102	56	26	92	49	17
19	17	34	76	318	107	91	98	52	26	44	59	17
20	18	299	72	171	103	201	139	50	25	30	45	17
21	17	156	70	134	98	455	112	70	25	27	41	17
22	17	71	90	116	100	173	102	130	25	25	37	16
23	37	64	120	114	128	140	105	75	33	25	36	16
24	36	761	100	275	102	126	92	60	28	25	35	15
25	24	278	80	216	94	187	87	56	25	23	31	16
26	21	120	70	167	88	138	83	65	23	26	30	15
27	19	96	66	177	485	135	113	116	22	37	30	15
28	19	291	200	146	282	218	104	72	21	74	38	15
29	18	149	800	128	178	206	113	69	43	476	34	15
30	18	98	350	117	—	152	93	62	60	185	36	16
31	18	—	200	107	—	133	—	55	—	409	32	—
TOTAL	599	3142	7421	4266	4206	4482	3783	3439	1000	2037	2497	598
MEAN	19.3	105	239	138	145	145	126	111	33.3	65.7	80.5	19.9
MAX	37	761	1060	318	485	455	244	600	60	476	456	28
MIN	14	18	66	60	84	91	83	50	21	20	30	15
CFSM	.32	1.74	3.97	2.29	2.41	2.41	2.09	1.84	.55	1.09	1.34	.33
IN.	.37	1.94	4.59	2.64	2.60	2.77	2.34	2.13	.62	1.26	1.54	.37

CAL YR 1983 TOTAL 45032 MEAN 123 MAX 1430 MIN 11 CFSM 2.04 IN 27.83
WTR YR 1984 TOTAL 37470 MEAN 102 MAX 1060 MIN 14 CFSM 1.69 IN 23.15

02339500 CHATTAHOOCHEE RIVFR AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Osaligee Creek at West Point, ½ mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam and at mile 198.9.

DRAINAGE AREA.--3,550 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1896 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft, National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400 and 02339400.)

AVERAGE DISCHARGE.--88 years, 5,656 ft^3/s, 21.64 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134,000 ft^3/s Dec. 10, 1919, gage height, 30.0 ft at site then in use; 29.25 ft at present site, from floodmarks, from rating curve extended above 80,000 ft^3/s on basis of computation of peak flow over Langdale Dam; minimum, 224 ft^3/s Sept. 12, 1925, gage height, 1.64 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmark, by National Weather Service, discharge, 92,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,100 ft^3/s Dec. 8, gage height, 12.75 ft; minimum daily, 755 ft^3/s. May 20, June 10, 23, July 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	6380	8810	9240	10200	11400	8710	8650	8470	789	19400	775
2	782	6490	8800	9400	10000	11400	9550	8730	7380	3320	23700	760
3	3990	6610	9600	9390	10400	9240	9190	11500	7360	3340	21500	5580
4	3980	6650	21700	9600	1100	9010	9330	16200	7390	3330	15100	6140
5	4030	833	23600	9610	986	9760	9140	16000	7380	3320	14900	7240
6	4010	824	23500	9680	4430	10000	9070	11300	7440	3320	10600	8380
7	4000	6590	23100	1250	4350	9210	8980	15800	7450	755	10600	8740
8	782	6710	24700	935	4390	9270	9100	15900	7430	773	9190	7910
9	777	2930	21300	9360	4360	9250	9230	15800	779	3290	10600	7860
10	3890	6980	16200	9730	4420	9350	7430	10500	755	3300	10700	7910
11	3940	7000	16500	9920	4660	9340	8920	10200	6930	5730	901	7840
12	4970	872	17100	9590	1120	9480	9030	8600	6970	5760	798	8060
13	3950	826	16600	9510	12000	9580	9000	7670	6980	3760	8270	10100
14	3950	4580	16500	9420	4560	9690	8940	6090	7010	763	8550	8290
15	813	4650	12300	9530	9230	9720	8930	8690	7020	768	8380	6710
16	791	3950	12900	9590	8990	9800	8850	8510	769	5760	8320	6850
17	6020	3460	7220	9570	9060	1020	9050	8510	793	5770	8290	6940
18	6140	3560	5880	10100	9060	936	6440	8540	6580	5730	838	7160
19	6120	902	10600	10100	9030	9350	5750	785	6350	5710	4630	5970
20	6230	1030	10700	9960	9090	9990	5810	755	4120	5730	7940	3200
21	6270	4000	11000	9900	9190	10500	5820	7400	2910	5620	8020	3190
22	792	3670	11400	9810	9280	9590	5760	7740	3940	5830	8020	2210
23	795	3550	11500	8220	9290	9310	8730	7660	755	5740	8020	2200
24	4830	4170	6520	8230	9370	9220	8730	7620	762	5750	8050	2160
25	4900	4540	6030	8360	9570	9600	8660	7710	3950	5730	852	2220
26	4890	1220	6600	8160	9430	9510	8770	7100	3970	5760	770	2170
27	4910	1040	6820	8170	9690	10700	8710	3960	3930	5760	6940	2160
28	4950	6820	7530	9910	10800	9570	1090	7060	3930	5830	7580	2160
29	807	9260	10900	9840	11500	9560	895	7060	2430	5910	8360	2560
30	789	8880	9540	9850	---	9240	8520	8280	790	7240	7790	2570
31	6380	---	9190	9940	---	9180	---	8620	---	9980	7970	---
TOTAL	110260	129227	404640	275875	219556	282776	236135	278940	142723	140168	275579	156015
MEAN	3557	4308	13050	8899	7571	9122	7871	8998	4757	4522	8890	5201
MAX	6380	9260	24700	10100	12000	11400	9550	16200	8470	9980	23700	10100
MIN	777	824	5880	935	986	936	895	755	755	755	770	760

CAL YR 1983 TOTAL 2455334 MEAN 6727 MAX 24700 MIN 736 MEAN† 6683 CFSM† 1.88 IN† 25.55
WTR YR 1984 TOTAL 2651894 MEAN 7246 MAX 24700 MIN 755 MEAN† 7305 CFSM† 2.06 IN† 28.01

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER AND WEST POINT LAKE.

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	4.88	6.09	6.29	6.67	7.29	6.02	6.01	5.88	2.11	10.72	2.00
2	2.01	4.93	6.08	6.33	6.61	7.27	6.44	6.06	5.33	3.35	12.27	1.99
3	3.69	4.98	6.36	6.34	6.75	6.24	6.25	7.31	5.32	3.36	11.48	4.63
4	3.68	5.00	11.57	6.42	2.27	6.11	6.33	9.49	5.34	3.36	9.03	4.71
5	3.72	2.06	12.23	6.43	2.19	6.49	6.24	9.40	5.33	3.35	8.96	5.23
6	3.70	2.05	12.21	6.46	3.95	6.68	6.20	7.22	5.37	3.34	6.91	5.78
7	3.69	4.96	12.06	2.33	3.92	6.28	6.14	9.32	5.37	2.07	6.91	5.98
8	2.01	5.03	12.60	2.14	3.93	6.29	6.19	9.37	5.35	2.09	6.27	5.58
9	2.01	3.21	11.39	6.30	3.92	6.28	6.25	9.33	2.10	3.33	6.87	5.52
10	3.71	5.13	9.50	6.49	3.95	6.31	5.44	6.86	2.07	3.33	6.93	5.54
11	3.74	5.16	9.64	6.61	4.08	6.30	6.11	6.69	5.10	4.51	2.10	5.51
12	4.29	2.09	9.87	6.45	2.30	6.36	6.18	5.98	5.13	4.53	2.03	5.61
13	3.75	2.05	9.67	6.41	7.50	6.41	6.17	5.54	5.13	3.56	5.73	6.59
14	3.75	4.00	9.60	6.35	4.09	6.45	6.14	4.88	5.15	2.08	5.90	5.78
15	2.04	4.19	7.68	6.40	6.31	6.46	6.13	6.15	5.15	2.09	5.83	5.04
16	2.02	3.80	7.95	6.44	6.17	6.50	6.09	5.92	2.09	4.53	5.74	5.08
17	4.63	3.48	5.34	6.42	6.21	2.22	6.18	5.93	2.11	4.54	5.76	5.12
18	4.69	3.52	4.65	6.64	6.21	2.15	4.95	5.94	4.91	4.52	2.06	5.21
19	4.68	2.12	6.86	6.69	6.19	6.27	4.59	2.10	4.83	4.51	3.98	4.66
20	4.72	2.27	6.89	6.62	6.22	6.57	4.64	2.07	3.74	4.51	5.58	3.35
21	4.74	3.82	7.00	6.56	6.26	6.86	4.66	5.34	3.17	4.44	5.64	3.34
22	2.02	3.61	7.14	6.51	6.30	6.44	4.62	5.57	3.65	4.58	5.63	2.81
23	2.02	3.34	7.20	5.77	6.30	6.29	6.05	5.52	2.07	4.51	5.63	2.81
24	4.06	3.91	4.94	5.77	6.34	6.26	6.06	5.50	2.08	4.52	5.64	2.79
25	4.10	4.14	4.71	5.85	6.43	6.44	6.02	5.54	3.65	4.51	2.06	2.82
26	4.09	2.38	4.99	5.75	6.33	6.41	6.07	5.22	3.66	4.52	2.00	2.79
27	4.10	2.24	5.09	5.75	6.46	6.96	6.04	3.68	3.64	4.52	5.09	2.79
28	4.11	5.14	5.45	6.57	6.99	6.43	2.28	5.18	3.64	4.56	5.40	2.79
29	2.03	6.26	7.03	6.52	7.33	6.43	2.16	5.19	2.90	4.63	5.78	3.00
30	2.02	6.13	6.40	6.53	—	6.29	5.93	5.76	2.11	5.27	5.51	3.01
31	4.87	—	6.23	6.57	—	6.25	—	5.98	—	6.57	5.61	—
MEAN	3.44	3.87	7.88	6.09	5.45	6.19	5.62	6.13	4.05	3.93	5.97	4.26
MAX	4.87	6.26	12.60	6.69	7.50	7.29	6.44	9.49	5.88	6.57	12.27	6.59
MIN	2.01	2.05	4.65	2.14	2.19	2.15	2.16	2.07	2.07	2.07	2.00	1.99

CAL YR 1983 MEAN 4.99 MAX 12.60 MIN 2.01
WTR YR 1984 MEAN 5.25 MAX 12.60 MIN 1.99

02339500. CHATTAHOOCHEE RIVER AT WEST POINT, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
05...	0630	781	77	73	7.0	7.0	22.0	22.0	5.5	64
NOV										
03...	0730	860	76	81	7.2	7.0	17.0	10.5	7.6	80
DEC										
08...	0800	24800	58	62	6.8	6.8	12.0	1.0	8.8	83
JAN										
05...	0755	10900	59	62	7.2	7.2	5.0	3.5	11.2	90
FEB										
08...	0830	13400	77	62	7.2	7.1	6.0	-4.0	10.8	86
MAR										
07...	0830	15000	55	—	7.2	7.2	10.5	6.0	9.8	90
APR										
05...	0800	14400	57	56	7.0	7.1	14.5	8.0	9.3	93
MAY										
03...	0635	7350	56	42	7.0	7.1	18.0	21.0	8.0	88
JUN										
07...	0800	815	77	61	7.1	7.5	21.5	27.5	6.5	74
JUL										
11...	0600	770	78	63	7.0	7.0	24.5	22.0	4.0	49
AUG										
09...	0645	8830	63	63	—	7.0	24.0	26.0	4.6	55
SEP										
06...	0715	770	69	65	7.0	7.2	23.5	16.0	5.8	69

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
OCT										
05...	4.0	1.0	20	20	.35	.080	.070	1.3	400	130
NOV										
03...	4.0	1.0	<20	20	.50	.070	<.020	2.7	280	70
DEC										
08...	29	1.1	50	14	.46	.200	.070	3.1	1400	130
JAN										
05...	32	1.7	20	15	.51	.180	.080	3.2	1800	140
FEB										
08...	20	1.7	<20	14	.49	.210	.060	1.9	430	85
MAR										
07...	15	1.4	<20	14	.46	.090	.070	2.0	520	40
APR										
05...	15	.9	20	15	.46	.070	.040	2.5	630	45
MAY										
03...	10	2.9	50	11	.38	.120	.040	2.9	630	85
JUN										
07...	5.0	.7	<20	22	.31	.080	.030	2.4	350	110
JUL										
11...	5.0	.5	—	20	.11	.070	.040	1.9	820	230
AUG										
09...	25	1.2	40	15	.33	.100	.080	3.4	1300	100
SEP										
06...	5.0	1.3	<20	21	.20	.060	.030	2.5	350	120

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
25...	0955	815	24.5	1	2.2
NOV					
15...	0750	5610	—	21	318
15...	0755	5610	—	21	318
15...	0840	7770	—	16	336
15...	0845	7770	—	16	336
15...	0930	8710	—	11	259
15...	1045	5840	—	8	126
15...	1050	5840	—	6	95
15...	1145	3010	—	9	73
15...	1150	3010	—	10	81
DEC					
05...	1255	23800	18.5	16	1030
07...	1045	21200	—	17	973
07...	1050	21200	—	14	801
08...	1330	24800	—	21	1410
MAY					
23...	0915	1210	20.0	13	43
23...	0920	1210	20.0	15	49
JUN					
28...	1050	837	25.5	9	20
28...	1055	837	25.5	14	32
AUG					
01...	1325	21200	—	9	315
03...	1120	23700	—	10	640
03...	1125	23700	—	10	640
16...	0900	837	25.0	18	41
16...	0905	837	25.0	18	41

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
NOV							
15...	0930	8710	76	84	90	100	—
15...	0935	8710	86	—	—	—	—
15...	1045	5840	89	—	—	—	—
DEC							
07...	1045	21200	88	—	—	—	—
08...	1330	24800	60	78	82	97	100
08...	1335	24800	81	—	—	—	—
AUG							
01...	1325	21200	72	82	92	100	—
01...	1330	21200	69	—	—	—	—
03...	1120	23700	66	—	—	—	—

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
DEC							
07...	1340	22300	<1	<1	6	33	46
07...	1341	22300	—	<1	4	18	28
07...	1342	22300	<1	<1	2	10	21
07...	1343	22300	<1	<1	2	7	16

DATE	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 64.0 MM
DEC						
07...	48	49	50	58	>58	100
07...	36	45	62	96	100	--
07...	24	26	32	49	68	100
07...	22	27	38	70	100	--

02339720 LONG CANE CREEK NEAR WEST POINT, GA.

LOCATION.—Lat 32°54'37", long 85°08'43", Troup County, Hydrologic Unit 03130002, at bridge on Webb Road 2.5 mi northeast of West Point.

DRAINAGE AREA.—74.8 mi^2, approximately.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
05...	0715	16	580	547	7.2	7.1	19.5	23.0	1.6	18
NOV										
03...	0800	30	265	291	7.0	7.0	14.0	10.0	2.5	25
DEC										
08...	0845	321	83	93	6.7	6.6	7.5	3.0	7.7	65
JAN										
05...	0900	114	120	127	7.0	7.0	5.0	1.0	10.0	80
FEB										
08...	0800	92	150	141	7.2	7.1	3.0	-.5	9.7	72
MAR										
07...	0930	285	83	84	6.9	7.0	9.0	6.0	8.1	72
APR										
05...	0845	195	108	104	6.8	6.9	15.0	8.0	6.4	65
MAY										
03...	0715	66	175	185	6.9	7.1	19.0	21.0	4.2	47
JUN										
07...	0730	36	—	301	7.1	7.7	23.0	20.0	4.3	50
JUL										
11...	0645	23	155	160	7.1	7.1	26.0	22.5	3.6	45
AUG										
09...	0745	54	170	186	—	7.3	24.5	24.0	4.2	51
SEP										
06...	0800	29	180	192	7.1	7.2	20.0	17.0	5.3	59

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
05...	8.0	5.8	1400	72	.42	1.80	2.10	19
NOV								
03...	7.0	6.4	4900	60	.40	1.41	1.39	17
DEC								
08...	20	.9	360	12	.15	.150	.130	5.7
JAN								
05...	15	3.6	2200	23	.22	.410	.230	5.8
FEB								
08...	10	2.4	2200	26	.76	.360	.320	4.6
MAR								
07...	25	1.4	790	20	.38	.110	.200	4.5
APR								
05...	20	1.8	3300	24	.41	.140	.180	7.6
MAY								
03...	20	2.2	220	37	.64	.220	.510	7.2
JUN								
07...	11	1.2	40	44	.72	.100	.700	7.7
JUL								
11...	10	.9	—	37	1.0	.100	.620	5.5
AUG								
09...	8.0	1.1	<20	36	.64	.410	.460	6.2
SEP								
06...	7.0	.9	2300	41	2.1	.050	.640	4.8

02339780 CHATTAHOOCHEE RIVER AT LANGDALE, ALA.

LOCATION.—Lat 32°48'50", long 85°10'03", Chambers County, Ala.-Harris County, Ga., Hydrologic Unit 03130002, at right end of Langdale Dam, 0.3 mi upstream from Moores Creek, 2.8 mi downstream from Long Cane Creek, and 0.4 mi south of Langdale.

DRAINAGE AREA.—3,630 mi^2.

PERIOD OF RECORD.—October 1982 to current year.

GAGE.—Water-stage recorder. Datum of gage is 540.01 ft, National Geodetic Vertical Datum of 1929.

REMARKS.—No gage-height record Jan. 9-17. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. (See "Lakes and Reservoirs in Apalachicola Basin," stations 02334400 and 02339400.)

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 11.10 ft Apr. 10, 1983.

EXTREMES FOR CURRENT YEAR.—Maximum gage height, 11.01 ft Dec. 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.50	8.93	9.36	9.38	9.53	9.73	9.34	9.37	9.22	7.92	10.62	7.96
2	7.86	8.96	9.34	9.40	9.51	9.72	9.57	9.37	8.96	8.24	10.95	7.91
3	8.34	8.97	9.33	9.42	9.54	9.43	9.46	9.65	9.01	8.16	10.82	8.71
4	8.25	8.98	10.81	9.42	8.08	9.32	9.49	10.35	9.01	8.07	10.24	8.81
5	8.29	7.44	10.92	9.43	7.77	9.43	9.46	10.35	8.99	8.08	10.26	8.87
6	8.28	7.45	10.85	9.44	8.49	9.65	9.44	9.71	8.99	8.16	9.60	9.08
7	8.29	8.86	10.83	7.76	8.68	9.47	9.39	10.30	9.06	7.34	9.60	9.29
8	7.77	9.01	10.93	7.03	8.69	9.45	9.41	10.31	8.99	7.01	9.47	9.21
9	7.88	8.45	10.68	—	8.69	9.45	9.44	10.32	7.32	7.88	9.54	9.05
10	8.33	8.59	10.24	—	8.68	9.43	9.25	9.68	7.17	8.06	9.61	9.00
11	8.42	9.02	10.31	—	8.70	9.43	9.35	9.53	8.66	8.36	7.71	9.09
12	8.75	7.87	10.38	—	8.09	9.44	9.42	9.33	8.78	8.62	7.72	9.05
13	8.54	7.90	10.33	—	9.63	9.45	9.42	9.23	8.70	8.39	9.08	9.53
14	8.53	8.57	10.29	—	8.83	9.47	9.41	8.94	8.72	7.41	9.28	9.22
15	7.95	8.76	9.77	—	9.53	9.48	9.41	9.55	8.69	7.58	9.28	9.15
16	7.91	8.73	9.84	—	9.41	9.48	9.40	9.24	7.40	8.64	9.23	9.02
17	8.54	8.53	9.16	—	9.44	7.98	9.41	9.31	7.61	8.68	9.21	9.03
18	8.71	8.50	8.86	9.50	9.42	7.18	9.13	9.31	8.17	8.66	7.62	9.06
19	8.67	7.58	9.52	9.57	9.41	9.02	8.89	7.48	8.73	8.62	8.31	8.87
20	8.75	7.98	9.49	9.57	9.42	9.52	8.96	7.47	8.46	8.64	9.01	8.42
21	8.70	8.67	9.52	9.53	9.43	9.66	8.99	8.84	7.82	8.42	9.17	8.36
22	7.92	8.64	9.55	9.48	9.45	9.57	8.94	9.15	8.02	8.81	9.16	8.08
23	8.08	8.53	9.58	9.30	9.44	9.46	9.33	9.14	7.01	8.64	9.14	8.11
24	8.45	8.71	8.94	9.25	9.45	9.42	9.41	9.12	6.14	8.67	9.15	8.11
25	8.47	8.87	8.90	9.32	9.53	9.52	9.39	9.12	7.62	8.64	7.54	8.08
26	8.41	8.20	8.98	9.30	9.39	9.52	9.40	9.11	7.98	8.66	6.57	8.09
27	8.44	7.92	8.99	9.29	9.46	9.64	9.38	8.30	7.97	8.73	8.64	8.07
28	8.39	8.94	9.19	9.53	9.58	9.51	7.99	8.97	8.08	8.74	8.99	8.09
29	7.97	9.45	9.66	9.49	9.76	9.55	6.92	8.99	7.95	8.94	9.17	8.14
30	7.88	9.41	9.46	9.50	—	9.48	9.11	9.09	7.45	9.03	9.16	8.24
31	8.85	—	9.39	9.51	—	9.45	—	9.40	—	9.41	9.17	—
MEAN	8.29	8.55	9.79	—	9.14	9.36	9.20	9.29	8.22	8.36	9.13	8.66
MAX	8.85	9.45	10.93	—	9.76	9.73	9.57	10.35	9.22	9.41	10.95	9.53
MIN	7.50	7.44	8.86	—	7.77	7.18	6.92	7.47	6.14	7.01	6.57	7.91

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.-Russell County, Ala., Hydrologic Unit 03130003, on downstream side of center pier of Central of Georgia railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartletts Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi², approximately.

PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: 1943(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft, National Geodetic Vertical Datum of 1929. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at datum 2.0 ft higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--Records fair except those below 1,500 cfs, which are poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1939. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, and 02341000.) Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--55 years, 6,847 ft³/s, 19.91 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145,000 ft³/s Feb. 26, 1961; maximum gage height, 47.8 ft Feb. 25, 1961; minimum discharge, 294 ft³/s Oct. 23, Nov. 14, 1931; minimum daily, 480 ft³/s Oct. 31, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft Mar. 16, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,500 ft³/s Dec. 4; maximum gage height, 20.57 ft Dec. 4; minimum daily, 1,050 ft³/s Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1390	3440	8980	11400	10800	12700	12200	9990	8770	1610	25700	5670
2	1710	3730	9050	12200	12500	13500	12000	7890	8310	2280	33300	3300
3	3000	5580	9330	11300	12000	13400	12000	10900	7430	3360	30600	6210
4	3970	5200	31600	11400	11600	12300	12400	19700	7890	2900	20300	6550
5	3310	1650	32300	11500	6020	12000	12000	22000	8990	3720	19800	8820
6	3130	1140	32200	10100	4760	13500	11600	14700	7530	3160	13300	8310
7	3480	4110	30100	5590	5200	15700	11600	15400	8110	2040	10600	8890
8	1320	4750	29300	3180	4900	13200	11700	20300	8440	1730	13400	11500
9	1280	3210	29900	5750	5280	12700	11800	17600	4310	2360	10300	8850
10	2220	3630	17600	10200	5520	11800	8310	15500	1780	2200	11100	10400
11	2800	3270	25800	11900	4540	10900	9300	11000	5990	3690	8300	3570
12	3900	1850	27000	12800	2620	10100	9100	9790	4750	6180	4550	9430
13	5730	1050	23400	11900	9740	11000	9120	11600	6660	3340	7850	10500
14	3260	3190	21700	11800	12300	12500	9200	7970	6630	4020	9660	11800
15	1250	2630	17000	12100	13200	10700	11700	7520	6290	2170	10800	9490
16	1300	2700	13000	10900	12400	11900	12200	8210	3120	4640	10300	8800
17	4750	3520	14900	11000	10600	8650	11000	8390	1790	5680	9620	9630
18	3830	2250	8330	12000	11000	2440	8370	8580	5100	6510	9790	9090
19	4420	1100	8420	21000	10900	5690	6430	2430	6710	5840	7510	8990
20	4980	2400	10100	18000	11600	8840	9670	1250	5080	4890	9490	5690
21	4010	3280	11800	12000	10300	18400	4630	6590	2850	3960	9620	5050
22	1550	3590	14200	14200	10400	14300	6840	8470	3960	7700	10000	2610
23	1500	4490	14400	13500	10200	13600	10700	8330	1800	7860	9590	3590
24	3630	4260	12200	12200	7620	11900	9640	8920	1830	5990	9740	3390
25	3020	6510	10200	12000	6930	14700	10700	8910	3580	5900	6710	3460
26	2910	7000	8900	11500	11100	14900	9090	8510	3150	6320	2360	3680
27	3090	3880	7100	11700	17800	15200	10300	6010	3240	6690	5810	2010
28	3720	9560	12400	11000	15800	14400	8830	7170	3700	6390	7890	1850
29	1120	9740	16200	11400	12400	14000	3310	8230	2960	8120	8940	1980
30	1180	9430	17700	11800	---	13200	5010	7350	1620	9990	6760	2290
31	3590	---	14800	11800	---	11400	---	8970	---	11900	7880	---
TOTAL	90350	122140	539910	359120	280030	379520	290750	318170	152370	153140	361570	201630
MEAN	2915	4071	17420	11580	9656	12240	9692	10260	5079	4940	11660	6721
MAX	5730	9740	32300	21000	17800	13400	12400	22000	8990	11900	33300	11800
MIN	1120	1050	7100	3180	2620	2440	3310	1250	1620	1610	2360	1850

CAL YR 1983 TOTAL 3208150 MEAN 8789 MAX 53100 MIN 1050 MEAN‡ 8828 CFSM‡ 1.89 IN‡ 25.66
WTR YR 1984 TOTAL 3248700 MEAN 8876 MAX 33300 MIN 1050 MEAN‡ 8768 CFSM‡ 1.88 IN‡ 25.56

‡ ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, AND LAKE HARDING.

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.61	5.97	9.20	10.02	9.85	10.66	10.44	9.60	8.80	5.84	15.53	7.74
2	5.83	6.22	9.03	10.47	10.55	10.85	10.40	8.77	8.60	6.25	18.87	6.91
3	6.43	7.02	9.16	10.08	10.37	10.77	10.35	9.82	8.46	6.56	17.88	7.91
4	6.74	6.64	17.41	10.08	10.31	10.39	10.45	13.49	8.72	6.51	14.14	8.12
5	6.47	4.65	18.46	10.02	8.26	10.45	10.33	14.59	9.10	6.76	13.43	8.88
6	6.28	4.28	18.30	9.55	7.74	11.53	10.11	11.77	8.47	6.39	11.21	8.65
7	6.38	6.16	17.82	7.58	7.77	12.53	10.06	11.75	8.74	5.95	9.76	8.72
8	5.29	6.44	17.31	6.67	7.55	11.26	10.17	13.73	8.92	5.85	10.89	9.81
9	5.34	5.89	17.53	7.77	7.57	10.90	10.31	12.54	7.29	6.19	9.60	8.80
10	5.87	5.97	12.83	9.57	7.54	10.42	9.03	11.83	6.38	6.02	9.87	9.41
11	6.01	5.77	15.82	10.37	7.12	9.97	9.47	9.86	8.02	6.62	8.91	9.16
12	6.42	4.75	17.01	10.76	6.24	9.68	9.39	9.24	7.51	7.73	7.62	9.08
13	7.24	3.80	15.48	10.33	9.30	9.91	9.38	9.96	8.20	6.56	8.91	9.46
14	6.13	5.62	14.53	10.26	10.65	10.48	9.41	8.69	8.15	6.83	9.58	10.12
15	4.96	5.35	13.02	10.45	11.01	9.71	10.33	8.21	7.98	6.16	10.00	9.14
16	5.10	5.34	10.60	10.00	10.62	10.05	10.54	8.51	6.74	7.21	9.86	9.14
17	6.88	5.77	11.53	9.97	9.79	8.92	10.11	8.64	6.21	7.68	9.61	9.49
18	6.45	4.95	8.99	10.40	9.89	6.35	9.27	8.51	7.52	8.07	9.60	9.20
19	6.72	3.73	8.88	---	9.79	7.74	8.31	6.06	8.18	7.80	8.86	9.17
20	6.87	5.18	9.48	---	10.09	8.82	9.51	5.46	7.50	7.29	9.48	7.94
21	6.48	5.82	10.12	---	9.57	13.06	7.59	7.81	6.53	6.92	9.47	7.54
22	4.96	6.07	11.24	---	9.56	11.26	8.39	8.75	6.96	8.41	9.63	6.51
23	5.07	6.57	---	---	9.44	10.95	9.91	8.66	6.01	8.81	9.46	6.98
24	6.35	6.64	---	---	8.23	10.25	9.53	8.97	6.11	7.93	9.35	6.93
25	5.95	7.64	---	---	7.92	11.91	9.91	8.93	6.88	7.80	8.29	6.95
26	5.80	8.03	---	---	9.72	12.17	9.30	8.88	6.65	7.85	6.71	6.98
27	5.83	7.09	---	---	12.67	12.11	9.74	8.13	6.58	8.07	8.04	6.27
28	6.09	9.57	---	---	12.33	11.71	9.26	8.53	6.75	7.87	8.75	6.12
29	4.01	9.76	---	---	10.75	11.45	7.25	8.99	6.38	8.72	9.11	6.13
30	4.08	9.55	---	---	---	10.93	7.78	8.44	5.74	9.57	8.34	6.33
31	5.72	---	---	10.40	---	10.08	---	8.99	---	10.39	8.61	---
MEAN	5.91	6.21	---	---	9.39	10.56	9.53	9.55	7.47	7.31	10.30	8.12
MAX	7.24	9.76	---	---	12.67	13.06	10.54	14.59	9.10	10.39	18.87	10.12
MIN	4.01	3.73	---	---	6.24	6.35	7.25	5.46	5.74	5.84	6.71	6.12

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.—Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi downstream from Randall Creek, 2 mi upstream from Ochillee Creek, 8 mi southeast of Columbus, and 12 mi upstream from mouth.
DRAINAGE AREA.—342 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1968 to current year.
GAGE.—Water-stage recorder. Altitude of gage is 230 ft, from topographic map.
REMARKS.—Records good.
AVERAGE DISCHARGE.—16 years, 487 ft^3/s, 19.34 in/yr.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 17,300 ft^3/s Apr. 1, 1981, gage height, 21.06 ft; minimum, 99 ft^3/s July 19, 1981.
EXTREMES FOR CURRENT YEAR.—Peak discharge above base of 3,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 6	1600	*3650	10.07

Minimum discharge, 118 ft^3/s Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	158	449	698	510	609	602	362	258	211	1250	160
2	149	157	373	610	488	522	566	332	238	226	1120	153
3	146	156	354	568	475	485	619	371	228	434	672	149
4	148	157	792	527	573	464	679	829	208	371	466	153
5	172	159	715	509	580	791	600	663	195	307	354	158
6	176	159	649	486	488	3030	536	468	187	220	342	158
7	162	162	678	462	436	2310	499	368	180	198	290	150
8	151	165	534	434	410	1310	476	325	174	182	248	143
9	147	168	431	419	403	944	518	307	168	174	228	138
10	147	168	377	612	403	790	540	288	163	167	227	137
11	148	169	1060	1180	430	713	496	273	163	170	209	136
12	154	166	2340	861	423	656	464	260	161	287	497	135
13	224	163	1200	646	1380	638	427	248	159	207	807	132
14	321	184	806	550	1690	614	398	243	156	216	502	130
15	249	325	618	512	1130	572	378	260	154	214	335	130
16	199	383	520	535	775	539	371	258	153	198	268	131
17	188	310	474	534	621	535	369	238	151	207	235	127
18	222	253	458	765	556	571	374	226	152	238	222	123
19	212	225	428	2220	[illegible]	529	362	219	150	307	254	126
20	193	427	408	1250	[illegible]	570	607	219	147	257	239	126
21	182	612	396	862	464	881	610	228	143	223	217	125
22	174	423	398	687	447	683	506	550	147	227	203	123
23	181	303	962	611	458	564	513	451	186	483	191	122
24	193	479	682	874	441	507	444	350	195	346	190	121
25	189	832	520	1200	415	2180	382	285	173	260	188	122
26	178	575	424	1040	393	2000	347	353	161	233	177	122
27	170	404	421	949	923	1230	337	472	155	303	169	120
28	163	897	1190	887	1240	995	400	378	145	309	162	120
29	160	995	2080	718	859	873	537	458	163	345	158	122
30	158	620	1370	617	—	737	441	379	227	381	165	153
31	158	—	880	550	—	652	—	301	—	771	169	—
TOTAL	5566	10354	23187	23373	18405	28494	14398	10962	5240	8672	10754	4045
MEAN	180	345	748	754	635	919	480	354	175	280	347	135
MAX	321	995	2340	2220	1690	3030	679	829	258	771	1250	160
MIN	146	156	354	419	393	464	337	219	143	167	158	120
CFSM	.53	1.01	2.19	2.21	1.86	2.69	1.40	1.04	.51	.82	1.02	.40
IN.	.61	1.13	2.52	2.54	2.00	3.10	1.57	1.19	.57	.94	1.17	.44

CAL YR 1983 TOTAL 180393 MEAN 494 MAX 3320 MIN 126 CFSM 1.44 IN 19.62
WTR YR 1984 TOTAL 163450 MEAN 447 MAX 3030 MIN 120 CFSM 1.31 IN 17.78

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT					
05...	0950	172	21.0	14	6.5
JAN					
05...	1640	508	8.0	34	47
FEB					
01...	1045	505	15.0	40	55
APR					
05...	1310	595	—	26	42
MAY					
17...	0940	240	18.5	14	9.1
JUN					
27...	1105	153	25.5	10	4.1
JUL					
31...	1115	615	22.0	161	267

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.
(National stream-quality accounting network station)

LOCATION.—Lat 31°15'33", long 85°06'37", Early County, Ga.-Houston County, Ala., Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 mi downstream from Omusee Creek, 2.3 mi south of Columbia, Ala., and at mile 46.5.

DRAINAGE AREA.—8,210 mi_2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gages is National Geodetic Vertical Datum of 1929.

REMARKS.—Records good except those for periods of missing or doubtful headwater, tailwater, or gate record, June 28 to July 30, which are fair. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir. (See "Lakes and Reservoirs in Apalachicola River Basin," stations 02334400, 02339400, 02341000, and 02343240. No adjustments made for George W. Andrews Reservoir's annual change in contents, which is insignificant).

AVERAGE DISCHARGE.—9 years, 12,040 ft^3/s, 19.92 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 131,000 ft^3/s, Jan. 27, 1978, maximum headwater gage height, 118.12 ft Jan. 27, 1978, maximum tailwater gage height, 116.66 ft Jan. 27, 1978; minimum daily discharge, 519 ft^3/s June 13, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of Mar. 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Ala., 2.4 mi upstream.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 51,900 ft^3/s Dec. 12, maximum headwater gage height, 103.39 ft Apr. 28, maximum tailwater gage height, 98.14 ft Dec. 13; minimum daily discharge, 759 ft^3/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	9050	20900	18300	15000	29100	6640	15700	15600	949	20100	8760
2	1030	8830	20100	17800	14400	29000	21200	15700	1900	6790	34500	1740
3	7890	8840	16200	19400	14600	9740	24800	23000	1190	7200	38700	9200
4	8330	8880	14500	18900	12700	8320	24300	35200	11800	6960	28400	8270
5	8450	2140	28800	18800	6680	20300	19200	22600	13100	7220	28100	13400
6	8290	1070	34700	19300	14100	33100	19300	21200	10700	7060	20600	15300
7	5490	7840	36200	3460	14100	31100	9670	28300	9690	1100	18800	14700
8	1100	10100	34500	1480	14200	30100	9680	22100	9940	879	19400	9110
9	998	9870	32800	15100	14300	29100	17500	28400	1470	5820	17300	8570
10	7460	9790	29000	16900	14300	19800	12700	28100	1400	6960	15500	8870
11	8640	9660	31300	16900	10300	12400	15300	20600	5850	7100	1400	8930
12	11000	2220	41000	16800	9620	22200	13500	10200	9140	7520	1240	12000
13	10300	899	39600	16400	21200	23100	13800	10400	12200	7440	9830	11800
14	9610	7400	32500	14400	16200	23200	14200	15600	11500	1730	10800	9520
15	1520	8820	21800	6820	17300	23500	14700	16100	11200	893	11000	1370
16	1190	8140	28400	20100	21000	23200	14400	16100	1640	5930	12800	1160
17	9190	7930	17500	22900	21000	3340	14400	11600	1210	7910	12300	11300
18	9640	7920	17500	23400	21200	1690	14300	10900	9280	8920	6460	11500
19	9780	2030	18700	24300	16800	17600	14200	1980	8060	14600	13800	11100
20	9980	2240	18400	23200	16800	21400	14400	1190	8200	13200	12200	11200
21	9480	6450	18300	14800	17600	29900	12000	7730	7740	8870	14900	10900
22	1350	6450	18200	9940	21700	19100	6910	9480	7740	2190	10700	2110
23	1040	6280	18400	19400	22000	18800	13500	7480	1850	10400	18400	759
24	8950	7860	11700	31500	21900	15700	17200	13700	1240	14100	17900	4380
25	9870	7940	13400	32000	3800	11700	16300	12600	6480	14600	1680	6100
26	9590	1700	13200	30800	1460	21100	15900	1850	7440	10900	1090	5010
27	10300	1230	14200	31100	21100	28900	16500	4560	7470	12100	8250	4970
28	9560	12600	19700	31000	23100	28300	13500	15500	7190	1990	6830	4990
29	5040	15700	31600	22000	29900	28500	5150	17500	8290	1330	12100	1310
30	1430	21200	29700	16600	---	28300	15200	16500	1290	13800	12400	882
31	7620	---	28900	12900	---	18500	---	15600	---	17000	13500	---
TOTAL	205398	221079	751700	586700	468360	660090	440350	477470	211800	233461	450980	229211
MEAN	6626	7369	24250	18930	16150	21290	14680	15400	7060	7531	14550	7640
MAX	11000	21200	41000	32000	29900	33100	24800	35200	15600	17000	38700	15300
MIN	998	899	11700	1480	1460	1690	5150	1190	1190	879	1090	759

CAL YR 1983 TOTAL 5026073 MEAN 13770 MAX 56100 MIN 643 MEAN† 13890 CFSM† 1.69 IN† 22.97
WTR YR 1984 TOTAL 4936599 MEAN 13490 MAX 41000 MIN 759 MEAN† 13420 CFSM† 1.63 IN† 22.25

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, LAKE HARDING, AND WALTER F. GEORGE LAKE.

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
04...	1100	10000	68	72	7.7	7.6	24.0	8.1	97
JAN									
17...	1230	22900	53	50	7.2	7.0	7.5	11.2	94
MAR									
27...	1300	29600	53	61	7.1	6.8	15.0	9.1	92
MAY									
16...	1200	20900	58	56	7.4	7.5	23.0	7.6	89
JUL									
17...	1100	3500	63	63	7.3	7.0	28.0	5.3	69
AUG									
21...	1230	20700	62	63	7.3	7.1	28.0	4.4	--

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
04...	2.3	130	44	20	0	5.7	1.4	5.9	37	.6	1.7
JAN											
17...	17	210	K4100	16	3	4.6	1.0	3.6	31	.4	1.6
MAR											
27...	14	63	190	15	2	4.5	1.0	3.8	31	.4	2.2
MAY											
16...	8.4	28	190	16	1	4.7	1.1	4.2	34	.5	1.4
JUL											
17...	2.6	12	25	18	0	5.4	1.2	3.9	29	.4	1.5
AUG											
21...	.80	11	240	18	0	5.0	1.3	4.7	34	.5	1.8

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT										
04...	22	.8	8.1	4.2	.10	7.0	54	47	1460	.07
JAN										
17...	13	1.6	7.4	3.7	<.10	8.0	40	38	2470	.05
MAR										
27...	13	2.0	6.9	6.2	<.10	7.3	54	40	4320	.07
MAY										
16...	15	1.2	6.4	3.6	.10	2.7	41	34	2310	.06
JUL										
17...	18	1.7	9.6	3.9	<.10	3.4	44	40	416	.06
AUG										
21...	18	1.7	8.1	3.8	.20	4.8	36	41	2010	.05

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 04...	.15	.010	--	<.010	<.010	<.010
JAN 17...	.41	.170	1.1	.050	.020	.030
MAR 27...	.32	.140	.30	.030	.030	.020
MAY 16...	.23	.240	3.0	.030	.040	<.010
JUL 17...	.21	.040	.30	.010	.020	<.010
AUG 21...	.14	.080	.40	.040	.060	<.010

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 04...	<10	1	23	<.5	<1	<1	<3	1	35	2
JAN 17...	70	1	27	<.5	<1	<1	<3	2	240	2
MAY 16...	30	<1	19	<.5	<1	<1	<3	2	110	3
AUG 21...	<10	1	22	<.5	1	<1	<3	2	62	1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 04...	<4	2	.5	<10	1	<1	<1	31	<6	4
JAN 17...	6	15	<.1	<10	1	<1	<1	24	<6	8
MAY 16...	6	3	<.1	<10	3	<1	<1	26	<6	26
AUG 21...	6	8	.2	<10	1	<1	<1	28	<6	18

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 04...	1105	10000	24.0	9	243	50
JAN 17...	1235	22900	7.5	16	989	66
MAR 27...	1305	29600	15.0	23	1840	54
MAY 16...	1205	20900	23.0	15	846	90
JUL 17...	1105	3500	28.0	3	28	61
AUG 21...	1235	20700	28.0	20	1120	48

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, Ga.-Jackson County, Fla., Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on State Highway 91, 2 mi northwest of Steam Mill, and at mile 23.7.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Reservoir (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, 02341000, 02343240.) and by George W. Andrews Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
19...	1155	87	86	7.6	7.4	23.0	26.0	9.1	107
NOV									
16...	1140	92	96	7.4	7.6	16.0	14.5	9.9	101
DEC									
20...	1230	84	74	7.2	7.2	12.5	15.0	11.1	104
JAN									
18...	1205	68	64	7.2	7.2	8.5	18.5	12.9	111
FEB									
22...	1205	66	62	7.2	7.3	12.0	13.0	12.2	115
MAR									
27...	1525	62	58	7.2	7.3	15.5	19.5	10.2	105
APR									
18...	1230	73	71	7.3	7.5	18.0	25.0	9.6	103
MAY									
23...	1100	71	75	7.4	7.5	24.0	26.0	9.8	118
JUN									
20...	1105	89	90	7.2	7.4	29.5	33.5	8.9	118
JUL									
18...	1115	78	78	7.1	7.1	28.5	27.5	7.8	102
24...	1105	70	71	7.1	7.2	29.5	31.5	7.7	102
AUG									
22...	1120	74	73	7.2	7.3	28.0	27.5	6.8	87
SEP									
19...	1120	81	80	7.3	7.5	25.0	24.5	8.9	109

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
19...	15	6.0	---	1.4	170	26	1	.14	.040	---	.040	4.9
NOV												
16...	10	5.0	---	1.6	80	26	7	.76	.090	---	.050	4.1
DEC												
20...	40	15	---	---	70	22	7	.52	.090	---	.050	3.0
JAN												
18...	65	15	---	.9	50	17	7	.42	.130	---	.040	4.6
FEB												
22...	20	10	---	1.2	330	18	9	.48	.080	---	.030	2.7
MAR												
27...	30	15	---	.9	230	16	18	.36	.060	---	<.020	5.5
APR												
18...	30	15	---	1.3	230	21	9	.36	.030	---	<.020	3.1
MAY												
23...	30	11	---	1.1	170	22	<1	.44	.080	---	.030	4.3
JUN												
20...	20	5.0	---	1.1	50	27	8	.40	.040	---	.030	2.9
JUL												
18...	30	6.0	8	1.1	---	22	11	.26	.050	.20	.030	3.8
24...	10	6.0	9	2.0	50	20	4	.14	.030	.20	.030	3.0
AUG												
22...	20	5.0	12	1.5	<20	21	6	.19	.050	.05	.040	3.8
SEP												
19...	10	12	14	2.7	40	23	21	.08	.050	.40	<.020	3.4

02344180 FLINT RIVER NEAR JONESBORO, GA.

LOCATION.—Lat 33°32'14", long 84°22'35", Clayton County, Hydrologic Unit 03130005, at bridge on State Highway 138, 0.8 mi west of U.S. Highway 41, and 1.5 mi northwest of Jonesboro, and at mile 338.1.

DRAINAGE AREA.—39.1 mi^2.

PERIOD OF RECORD.—July 1975 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
05...	1130	29	250	262	7.0	7.2	21.0	25.0	4.0	46
NOV										
03...	1230	24	230	267	7.0	7.0	15.0	23.0	4.3	44
DEC										
07...	1445	105	119	114	6.8	6.9	9.5	13.0	9.1	82
JAN										
05...	1300	43	170	184	7.0	7.1	7.0	12.5	6.4	54
FEB										
08...	1145	47	190	183	7.2	7.2	3.0	10.0	7.8	58
MAR										
07...	1415	75	135	136	7.0	7.1	10.0	12.0	7.4	68
APR										
05...	1330	38	150	151	6.9	7.0	13.5	12.0	6.0	59
MAY										
03...	1200	435	82	84	6.7	7.0	18.0	21.0	5.0	56
JUN										
07...	1230	31	245	233	—	7.9	23.0	32.0	2.3	27
JUL										
11...	1000	25	225	201	7.2	7.1	25.0	31.5	3.8	47
AUG										
09...	1215	34	220	198	7.0	7.5	24.5	33.0	3.5	43
SEP										
06...	1300	30	210	211	7.1	7.3	21.0	28.0	5.3	60

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
05...	50	7.5	46000	46	29	216	2.3	.930	1.17	8.8
NOV										
03...	8.0	2.0	12500	51	6	176	1.3	1.34	.660	6.2
DEC										
07...	40	2.2	9000	27	30	124	.51	.480	.190	5.6
JAN										
05...	20	7.8	3300	46	7	136	.46	2.00	.430	8.4
FEB										
08...	29	7.5	12450	45	9	124	.60	2.68	.610	8.2
MAR										
07...	30	3.4	790	37	18	104	.55	1.02	.300	5.7
APR										
05...	23	4.2	4900	38	18	124	.49	1.03	.400	7.2
MAY										
03...	210	4.7	14000	20	112	236	.50	.400	.250	9.0
JUN										
07...	16	6.9	49000	55	11	—	.09	1.32	.990	9.1
JUL										
11...	22	2.9	—	37	19	140	1.7	1.18	.730	5.2
AUG										
09...	21	3.3	230000	45	20	186	1.1	1.19	.480	5.2
SEP										
06...	15	2.4	33000	45	13	132	1.2	.400	.540	3.9

02344190 FLINT RIVER NEAR FAYETTEVILLE, GA.

LOCATION.--Lat 33°29'13", long 84°23'44", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on State Highway 54, 200 ft east of Thomas Road, 0.2 mi upstream from Camp Creek, and 4.4 mi northeast of Fayetteville, and at mile 333.7.

DRAINAGE AREA.--49 mi^2.

PERIOD OF RECORD.--July 1973 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 05...	1100	17	210	212	7.1	7.1	19.0	25.5	6.3	69
NOV 03...	1145	25	180	209	6.9	6.9	13.5	23.0	5.4	53
DEC 07...	1530	270	84	88	6.7	6.8	11.0	13.0	8.4	78
JAN 05...	1200	72	130	143	7.0	7.1	6.0	13.5	8.0	66
FEB 08...	1115	64	160	152	7.2	7.2	2.0	7.5	9.6	70
MAR 07...	1345	140	100	102	7.0	7.3	11.0	12.0	8.2	77
APR 05...	1300	95	118	120	6.9	7.2	13.5	12.0	6.8	67
MAY 03...	1100	210	100	105	6.8	7.1	18.0	19.5	4.8	53
JUN 07...	1200	36	210	191	—	7.9	23.0	32.0	4.5	53
JUL 11...	0930	21	185	178	7.1	6.9	24.5	31.5	4.0	49
AUG 09...	1145	35	185	179	—	7.3	24.5	32.0	4.7	57
SEP 06...	1230	23	165	175	7.1	7.4	21.0	27.0	6.4	73

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	10	1.5	490	36	7	144	2.8	.040	.590	3.7
NOV 03...	7.0	1.0	230	35	5	144	1.6	.060	.270	4.8
DEC 07...	65	1.6	11000	25	24	112	.39	.220	.320	6.0
JAN 05...	15	3.2	1300	35	4	114	.62	1.46	.270	5.2
FEB 08...	15	7.6	1700	39	4	112	.83	2.08	.400	6.7
MAR 07...	35	2.1	230	25	10	96	.67	.310	.160	4.9
APR 05...	22	1.9	230	31	12	104	.73	.310	.210	6.1
MAY 03...	100	4.4	4900	28	75	160	.68	.450	.280	7.5
JUN 07...	11	2.1	3300	44	9	124	1.3	.190	.400	4.8
JUL 11...	13	1.0	—	35	12	116	.42	.050	.180	3.5
AUG 09...	10	1.1	23000	39	8	124	1.1	.070	.220	4.4
SEP 06...	10	1.7	1100	36	10	124	2.3	.030	.270	3.5

02344380 FLINT RIVER NEAR INMAN, GA.

LOCATION.—Lat 33°23'08", long 84°23'24", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on Ackert Road, 0.6 mi downstream from Gay Creek, and 1.4 mi east of State Highway 92 at Inman, and at mile 322.3.

DRAINAGE AREA.—158 mi^2.

PERIOD OF RECORD.—July 1975 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
05...	1000	40	140	143	7.2	7.2	19.0	23.0	7.1	78
NOV										
03...	1045	53	130	146	7.1	7.1	13.0	19.5	7.4	72
DEC										
07...	1615	1200	55	55	6.6	6.6	11.0	13.0	7.8	73
JAN										
05...	1100	230	75	82	7.0	7.0	5.0	11.0	10.6	86
FEB										
08...	1045	183	90	91	7.3	7.1	2.0	6.0	12.3	89
MAR										
07...	1300	740	59	61	6.8	7.1	10.0	11.0	8.5	78
APR										
05...	1230	480	68	68	6.8	7.0	14.0	12.0	7.9	79
MAY										
03...	1015	218	91	94	6.9	7.2	19.0	21.0	5.4	61
JUN										
07...	1115	100	119	109	7.2	7.7	23.0	32.0	6.1	72
JUL										
11...	0845	53	122	112	7.2	7.1	25.0	29.5	5.6	69
AUG										
09...	1100	115	112	108	--	7.4	25.0	31.0	5.6	69
SEP										
06...	1145	107	85	115	7.1	7.2	21.0	28.0	7.1	81

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
05...	9.0	.5	130	34	3	120	.78	.060	.180	3.3
NOV										
03...	7.0	.5	50	37	1	108	.72	.070	.100	4.6
DEC										
07...	80	1.4	1300	18	35	96	.14	.030	.170	7.2
JAN										
05...	15	2.0	200	21	12	76	.43	.370	.150	3.4
FEB										
08...	12	2.5	130	23	4	80	.54	.250	.170	3.2
MAR										
07...	66	1.4	700	14	12	92	.37	.100	.180	4.3
APR										
05...	36	.7	80	18	11	76	.35	.070	.140	6.4
MAY										
03...	20	1.5	110	26	1	70	.72	.140	.200	5.3
JUN										
07...	14	.7	50	29	3	80	.89	.080	.220	3.8
JUL										
11...	12	.3	—	31	9	80	.58	.060	.190	3.3
AUG										
09...	11	.7	50	30	10	84	.61	.060	.140	4.9
SEP										
06...	10	1.2	50	31	9	76	.44	.040	.140	3.5

02344400 FLINT RIVER ABOVE GRIFFIN, GA.

LOCATION.--Lat 33°18'33", long 84°23'36", Spalding-Fayette County line, Hydrologic Unit 03130005, at bridge on State Highway 92, 3.4 mi upstream from Central of Georgia Railroad bridge, and 5.5 mi northwest of Griffin, and at mile 313.2.

DRAINAGE AREA.--194 mi^2.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
05...	0930	65	140	137	7.3	7.1	19.0	27.0	6.6	73
NOV										
03...	0945	70	120	134	7.2	7.1	13.0	19.5	7.6	74
DEC										
07...	1645	2100	59	59	6.6	6.7	10.5	12.0	9.3	85
JAN										
05...	1030	260	70	73	7.0	7.1	4.0	8.5	10.7	84
FEB										
08...	1015	200	83	80	7.2	7.1	2.0	5.0	11.9	86
MAR										
07...	1200	1200	60	62	6.8	7.0	10.0	9.0	8.3	76
APR										
05...	1200	820	73	74	6.9	7.0	14.0	12.0	8.0	80
MAY										
03...	0930	260	85	86	6.9	7.1	19.0	20.0	6.1	69
JUN										
07...	1100	130	117	106	7.2	7.6	23.0	32.0	7.0	83
JUL										
11...	0815	82	—	108	7.2	7.0	24.0	29.5	5.3	64
AUG										
09...	1030	165	105	98	—	7.4	24.5	30.0	5.6	68
SEP										
06...	1115	115	118	117	7.1	7.3	21.0	27.0	6.5	74

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, CONFIRMED (MPN)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)
OCT								
05...	10	13	.9	790	330	35	7	112
NOV								
03...	9.0	14	.6	1300	230	35	7	140
DEC								
07...	35	10	1.7	4900	130	12	16	72
JAN								
05...	14	10	2.2	1700	140	18	6	72
FEB								
08...	13	5	2.1	2300	110	22	3	20
MAR								
07...	60	16	1.5	13000	1700	16	16	92
APR								
05...	27	13	1.1	13000	220	23	10	88
MAY								
03...	18	8	1.0	3300	330	24	<1	80
JUN								
07...	15	5	.6	--	170	28	12	92
JUL								
11...	14	15	.6	--	--	31	12	86
AUG								
09...	13	15	.5	3100	50	30	10	68
SEP								
06...	12	6	.8	3300	490	33	8	88

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02344400 FLINT RIVER AT ST RT 92 ABOVE GRIFFIN, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
05...	.72	.040	.20	.160	2.9
NOV					
03...	.62	.060	.70	.060	3.8
DEC					
07...	.13	<.020	<.10	.130	6.1
JAN					
05...	.37	.240	.50	.110	3.4
FEB					
08...	.42	.100	.40	.120	3.0
MAR					
07...	.36	.110	.90	.180	5.3
APR					
05...	.42	.070	1.9	.160	5.7
MAY					
03...	.64	.120	.30	.180	5.5
JUN					
07...	.70	.090	.30	.170	4.0
JUL					
11...	.41	.070	.20	.160	3.6
AUG					
09...	.38	.060	.30	.170	5.3
SEP					
06...	.60	.060	.30	.130	3.5

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at downstream side of pier of bridge on State Highway 16, 1.5 mi downstream from Shoal Creek, 5.5 mi upstream from Line Creek, 10 mi west of Griffin, and at mile 304.4.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959 to Sept. 13, 1960, nonrecording gage, all at present site and datum.

REMARKS.--Records good. Some diurnal fluctuation at low flow. City of Griffin diverted an average of about 8 ft³/s for municipal supply at pumping plant 6 mi above station. An average of about 1 ft³/s of the diversion was discharged as sewage effluent into tributaries of Towaliga River, and an average of about 3 ft³/s was returned as sewage effluent to Flint River about 49 mi downstream. Records of chemical analyses for the water years 1968-69, 1971-72, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--47 years, 357 ft³/s, 17.82 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft³/s Nov. 27, 1948, gage height, 18.0 ft; minimum daily, 2.5 ft³/s Oct. 20, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft, present datum, from floodmark located by local resident, discharge, 15,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 6	0300	*3000	11.82	Apr. 22	1700	2040	10.83
Feb. 15	0600	2410	11.24	May 4	2200	2380	11.20

Minimum daily discharge, 45 ft³/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	71	976	752	347	1320	628	443	541	74	1240	408
2	62	69	670	514	317	766	411	368	265	92	1860	321
3	61	69	1070	418	302	495	429	439	203	131	1530	177
4	52	71	2730	378	340	412	541	1770	178	159	1050	144
5	60	71	2840	350	379	431	612	2220	160	259	744	135
6	60	80	2790	322	386	703	677	1590	150	231	408	123
7	60	102	1940	299	327	921	454	857	141	154	273	115
8	61	84	2080	278	289	1080	358	489	136	134	240	109
9	57	78	1600	260	273	722	427	454	137	148	201	101
10	52	77	845	397	269	465	700	419	130	116	175	96
11	45	77	665	780	339	395	841	368	124	86	159	90
12	47	79	1090	903	453	357	721	298	117	82	170	88
13	65	86	1290	1050	724	379	463	264	109	83	182	84
14	120	99	1550	706	1880	412	380	244	104	94	316	84
15	171	353	947	438	2300	410	352	247	100	173	534	79
16	264	642	584	371	1820	372	348	227	99	288	807	76
17	181	725	421	333	980	351	408	271	95	440	446	74
18	103	923	351	444	599	367	328	224	89	486	224	66
19	83	629	310	901	459	381	293	192	90	619	192	63
20	72	444	287	988	401	423	364	182	86	627	214	63
21	70	704	270	1130	362	720	683	185	84	760	209	63
22	68	773	323	800	335	859	1730	282	83	364	165	63
23	78	1000	449	495	337	1150	1470	411	96	263	142	63
24	95	1010	498	470	342	739	832	573	97	220	132	62
25	118	1130	550	519	372	685	493	378	91	174	121	59
26	155	1570	450	556	337	715	371	246	93	166	117	60
27	125	1490	350	634	638	606	324	231	92	166	128	57
28	89	1050	417	633	1100	588	336	216	79	263	263	55
29	80	988	801	607	1720	669	452	236	75	382	299	54
30	80	908	1040	560	---	767	547	290	71	805	215	56
31	80	---	1100	415	---	894	---	503	---	1100	248	---
TOTAL	2776	15452	31284	17701	18727	19554	16973	15117	3915	9139	13004	3088
MEAN	89.5	515	1009	571	646	631	566	488	131	295	419	103
MAX	264	1570	2840	1130	2300	1320	1730	2220	541	1100	1860	408
MIN	45	69	270	260	269	351	293	182	71	74	117	54
CFSM	.33	1.89	3.71	2.10	2.38	2.32	2.08	1.79	.48	1.09	1.54	.38
IN.	.38	2.11	4.28	2.42	2.56	2.67	2.32	2.07	.54	1.25	1.78	.42

CAL YR 1983 TOTAL 157797 MEAN 432 MAX 4300 MIN 26 CFSM 1.59 IN 21.58
WTR YR 1984 TOTAL 166730 MEAN 456 MAX 2840 MIN 45 CFSM 1.68 IN 22.80

02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on State Highway 85, 2.2 mi northeast of Senoia, 4.1 mi upstream from Whitewater Creek, and 11.2 mi upstream from mouth.
DRAINAGE AREA.--101 mi², approximately.
PERIOD OF RECORD.--September 1964 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 740 ft, from topographic map.
REMARKS.--Records good. Low flow affected by withdrawals and return flow by several municipalities.
AVERAGE DISCHARGE.--20 years, 137 ft³/s, 18.42 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,580 ft³/s Nov. 5, 1977, gage height, 14.88 ft; minimum daily discharge, 2.0 ft³/s July 18, 19, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	2200	*1850	9.93	Feb. 28	0400	1400	9.19
Dec. 7	1200	1450	9.28	May 4	1300	1420	9.23
Feb. 14	1400	1580	9.50	Aug. 2	1100	1290	8.98

Minimum daily discharge, 14 ft³/s Oct. 3-5, 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	246	191	117	477	179	166	78	25	368	99
2	15	24	157	165	108	258	158	146	68	30	1030	64
3	14	24	330	148	103	184	188	242	63	46	809	51
4	14	25	1540	136	143	161	331	1200	58	37	562	45
5	14	25	1490	128	157	180	292	718	53	29	246	41
6	15	26	820	139	139	441	215	341	50	33	140	39
7	16	26	1360	160	122	536	153	208	42	37	172	35
8	15	26	705	109	113	349	122	176	37	42	120	32
9	15	26	344	93	110	211	229	185	34	37	91	30
10	14	27	223	139	112	162	711	154	31	30	61	29
11	14	28	244	400	198	168	462	123	30	25	53	29
12	18	28	796	484	220	165	251	108	28	23	55	28
13	36	27	777	308	253	176	202	99	26	40	97	27
14	96	34	411	233	1230	187	180	92	31	41	147	25
15	60	167	229	201	810	163	188	107	32	68	116	24
16	38	375	151	160	402	148	176	93	29	76	78	23
17	28	252	141	152	272	149	153	78	28	55	93	21
18	24	107	125	197	217	163	139	72	27	54	82	18
19	23	72	116	383	188	160	133	69	26	81	59	18
20	23	135	109	538	178	167	242	67	25	51	61	19
21	22	435	101	366	168	324	637	69	24	40	50	18
22	22	349	123	256	149	396	498	209	32	36	44	17
23	27	137	183	224	169	241	282	219	35	32	40	17
24	46	357	169	196	173	181	205	126	31	33	36	17
25	48	917	132	231	148	253	163	93	28	32	32	17
26	37	574	116	211	136	273	142	84	24	43	29	17
27	30	257	102	230	432	196	138	88	22	46	33	16
28	26	265	224	282	1310	245	171	100	19	47	36	15
29	24	763	827	256	842	322	190	95	19	153	42	15
30	23	533	584	227	---	342	176	118	22	314	218	15
31	23	---	294	154	---	230	---	105	---	353	253	---
TOTAL	836	6064	13169	7097	8719	7608	7307	5750	1052	1989	5253	861
MEAN	27.0	202	425	229	301	245	244	185	35.1	64.2	169	28.7
MAX	96	917	1540	538	1310	536	711	1200	78	353	1030	99
MIN	14	23	101	93	103	148	123	67	19	23	29	15
CFSM	.27	2.00	4.21	2.27	2.98	2.43	2.42	1.83	.35	.64	1.67	.28
IN.	.31	2.23	4.85	2.61	3.21	2.80	2.69	2.12	.39	.73	1.93	.32

CAL YR 1983 TOTAL 60493.3 MEAN 166 MAX 2000 MIN 3.5 CFSM 1.64 IN 22.28
WTR YR 1984 TOTAL 65705.0 MEAN 180 MAX 1540 MIN 14 CFSM 1.78 IN 24.20

02346180 FLINT RIVER NEAR THOMASTON, GA.

LOCATION.--Lat 32°50'20", long 84°25'27", Upson-Talbot County line, Hydrologic Unit 03130005, at downstream end of left bank pier of bridge on State Highway 36, 2.5 mi upstream from Lazar Creek, and 7.8 mi southwest of Thomaston.
DRAINAGE AREA.--1,220 mi^2, approximately.
PERIOD OF RECORD.--May 1966 to current year.
GAGE.--Water-stage recorder. Datum of gage is 490.00 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).
REMARKS.--Records fair.
AVERAGE DISCHARGE.--18 years, 1,691 ft^3/s, 18.82 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,400 ft^3/s Mar. 3, 1971, gage height, 18.4 ft, from floodmarks; minimum daily, 77 ft^3/s Oct. 6, 1981.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948 reached a stage of 19.3 ft, from floodmarks.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 5	0300	*11800	13.10	May 5	23[illegible]	7380	11.63

Minimum daily discharge, 179 ft^3/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	314	3210	3480	1660	5140	2720	1720	1360	396	4800	1360
2	219	313	2500	2380	1490	4180	2150	1620	1290	423	5230	1230
3	214	313	3010	1860	1420	2660	2070	1630	961	570	5520	898
4	207	314	9160	1760	1500	1950	2570	4160	839	521	4720	676
5	203	317	11000	1660	1630	1910	2610	6910	765	512	3810	609
6	195	313	9120	1570	1610	3020	2490	6870	711	598	2840	563
7	196	316	7590	1480	1480	3570	2210	4850	674	577	2060	515
8	191	338	6110	1410	1340	3630	1820	2720	642	526	1410	470
9	189	349	5270	1310	1260	3270	1850	2060	605	463	1110	437
10	185	359	4030	1600	1240	2350	2220	1850	577	442	928	409
11	183	355	3460	3110	1350	1860	2810	1600	550	384	818	388
12	192	352	5030	3230	1680	1710	3120	1410	522	322	847	372
13	442	348	4940	3190	2740	1680	2440	1250	490	341	1150	353
14	472	384	4570	2870	4330	1770	1890	1180	454	396	1250	340
15	576	841	4000	2120	5560	1740	1700	1160	432	421	1530	323
16	585	2080	2750	1750	5790	1650	1600	1100	415	595	1530	302
17	578	2200	1870	1570	4740	1590	1580	1030	398	1030	1670	277
18	482	2010	1540	1830	3070	1630	1580	1010	372	1120	1270	260
19	371	1710	1390	4220	2090	1630	1460	936	356	1210	962	249
20	327	1650	1290	4360	1800	1790	1560	875	336	1270	994	236
21	306	2370	1220	3870	1660	3220	1860	895	321	1170	910	229
22	293	2520	1220	3380	1560	3280	2560	1440	307	1220	805	224
23	325	2400	1560	2460	1530	3240	4070	1610	315	849	688	218
24	342	2700	1670	2170	1560	3010	3820	1660	338	674	612	212
25	383	3910	1540	2370	1530	3300	2410	1530	349	584	557	210
26	428	4230	1370	2410	1470	3630	1710	1270	320	869	515	202
27	443	4030	1250	2480	2530	3070	1520	1290	300	1190	482	194
28	409	4060	1860	2610	4800	3950	1500	1280	285	1070	469	187
29	354	3730	3850	2470	5460	3980	1560	1390	288	1290	815	182
30	325	3400	4440	2240	—	3390	1710	1300	365	2380	964	179
31	315	—	4270	1950	—	3000	—	1240	—	4080	1010	---
TOTAL	10155	48526	116090	75170	69880	85800	65170	60846	15937	27493	52276	12304
MEAN	328	1618	3745	2425	2410	2768	2172	1963	531	887	1686	410
MAX	585	4230	11000	4360	5790	5140	4070	6910	1360	4080	5520	1360
MIN	183	313	1220	1310	1240	1590	1460	875	285	322	469	179
CFSM	.27	1.33	3.07	1.99	1.98	2.27	1.78	1.61	.44	.73	1.38	.34
IN.	.31	1.48	3.54	2.29	2.13	2.62	1.99	1.86	.49	.84	1.59	.38

CAL YR 1983 TOTAL 694766 MEAN 1903 MAX 19400 MIN 91 CFSM 1.56 IN 21.18
WTR YR 1984 TOTAL 639647 MEAN 1748 MAX 11000 MIN 179 CFSM 1.43 IN 19.50

BEST C

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.—Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on U.S. Highway 19, 4 mi upstream from Auchumpkee Creek, 5 mi downstream from Swift Creek, 13 mi southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.—1,850 mi^2, approximately.

PERIOD OF RECORD.—July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.—WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.—Water-stage recorder. Datum of gage is 334.54 ft, National Geodetic Vertical Datum of 1929. July 1, 1911, to Oct. 11, 1918, nonrecording gage and Oct. 12, 1918, to May 31, 1923, water-stage recorder, at site 2.5 mi downstream at different datum. July 21, 1928, to Dec. 31, 1931, and Mar. 18, 1937, to May 3, 1939, nonrecording gage at present site and datum.

REMARKS.—Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.—61 years (1911-22, 1928-31, 1937-84), 2,403 ft^3/s, 17.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 92,000 ft^3/s Mar. 15, 1929, gage height, 38.4 ft, from graph based on gage readings; minimum observed, 92 ft^3/s Oct. 4, 6, 7, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1912, that of Mar. 15, 1929.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 5	0700	*14300	15.54	Dec. 12	0300	11100	13.18

Minimum discharge, 304 ft^3/s Sept. 29, 30, gage height, 1.59 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	385	444	4270	4990	2710	6820	3880	2170	1490	539	7570	1270
2	361	444	3550	3750	2420	5800	3280	2050	1520	560	8440	1350
3	345	438	3360	2890	2260	4160	2990	1980	1240	960	7360	1100
4	339	446	10300	2560	2300	3090	3710	4270	1040	883	5980	855
5	338	440	13800	2360	2460	3280	3730	7610	952	753	4870	778
6	334	442	11700	2210	2420	7090	3470	8040	876	697	3990	739
7	328	439	10100	2080	2250	6680	3160	6170	834	755	2900	689
8	324	455	8090	1950	2050	5510	2690	3910	798	672	1940	631
9	314	486	6930	1840	1920	4890	2680	2690	786	622	1470	585
10	315	498	5600	2250	1870	3880	3230	2480	733	573	1210	555
11	318	503	5540	5000	1960	3070	3780	2120	714	541	1060	534
12	333	495	10400	4940	2260	2750	4080	1850	682	488	1030	520
13	534	493	8220	4480	5010	2640	3510	1630	651	499	1410	498
14	1110	507	6590	4150	9380	2690	2740	1490	620	549	1490	476
15	852	916	5680	3360	7910	2650	2400	1460	584	644	1700	460
16	834	2150	4350	2800	7750	2490	2220	1410	561	669	1620	433
17	769	2760	3110	2520	6590	2380	2170	1300	538	1080	1700	404
18	733	2460	2520	2800	4780	2430	2160	1230	516	1460	1570	381
19	603	2130	2240	7570	3390	2380	2020	1180	501	1500	1240	371
20	518	2070	2080	7230	2840	2410	2130	1100	483	1520	1110	364
21	481	3070	1940	5740	2590	4500	2400	1060	465	1350	1080	355
22	455	3290	1910	4910	2430	4710	2840	1820	450	1310	979	348
23	467	2960	2280	3930	2360	4290	4510	2080	456	1370	867	340
24	534	3260	2490	3550	2350	4070	4830	2070	467	917	789	334
25	545	5050	2280	4100	2300	5550	3430	1860	490	788	728	334
26	576	5350	2000	4060	2190	5880	2370	1660	477	865	696	334
27	585	4920	1770	4180	4330	4740	2000	1670	439	1740	636	324
28	579	6090	2750	4330	7410	5450	1950	1560	412	1470	603	315
29	523	5830	6540	3940	7600	6070	1990	1740	399	1590	1010	309
30	476	4660	6680	3520	—	5030	2100	1680	459	2790	1440	304
31	445	—	5940	3130	—	4250	—	1500	—	5310	1100	—
TOTAL	15653	63496	165010	117120	108090	131630	88450	74840	20633	35464	69588	16290
MEAN	505	2117	5323	3778	3727	4246	2948	2414	688	1144	2245	543
MAX	1110	6090	13800	7570	9380	7090	4830	8040	1520	5310	8440	1350
MIN	314	438	1770	1840	1870	2380	1950	1060	399	488	603	304
CFSM	.27	1.14	2.88	2.04	2.02	2.30	1.59	1.31	.37	.62	1.21	.29
IN.	.31	1.28	3.32	2.36	2.17	2.65	1.78	1.50	.41	.71	1.40	.33

CAL YR 1983 TOTAL 1017978 MEAN 2789 MAX 28500 MIN 262 CFSM 1.51 IN 20.47
WTR YR 1984 TOTAL 906264 MEAN 2476 MAX 13800 MIN 304 CFSM 1.34 IN 18.22

02349500 FLINT RIVER AT MONTEZUMA, GA.

LOCATION.--Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on State Highway 49, 1,000 ft upstream from Central of Georgia Railway bridge, 1,400 ft upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi west of Montezuma, and at mile 180.6.
DRAINAGE AREA.--2,900 mi^2, approximately; includes that of Buck Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to December 1912 (published as "near Montezuma"), July 1930 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.
REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior to 1912). WRD GA-82-1: 1981(P).
GAGE.--Water-stage recorder. Datum of gage is 255.83 ft, National Geodetic Vertical Datum of 1929. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi upstream at same datum. July 1, 1930, to June 30, 1933, and Oct. 1, 1934, to Dec. 12, 1941, nonrecording gage, and Dec. 13, 1941, to Oct. 25, 1955, water-stage recorder at site 500 ft downstream at same datum.
REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station.
AVERAGE DISCHARGE.--62 years, 3,596 ft^3/s, 16.84 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,900 ft^3/s Nov. 30, 1948, gage height, 25.2 ft; minimum daily, 516 ft^3/s) Oct. 5, 1981.
FLOODS OUTSIDE PERIOD OF RECORD.--Flood on Mar. 2, 1897, reached a stage of 26.0 ft at former site, from National Weather Service, discharge, 97,000 ft^3/s, from rating curve extended above 10,000 ft^3/s on basis of peak flows passing upstream and downstream stations. Flood on Mar. 17, 1929, reached a stage of 27.4 ft, at present site, from National Weather Service discharge, 92,300 ft^3/s, from rating curve extended above 65,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 9	0900	*14900	14.44

Minimum daily discharge, 894 ft^3/s Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1090	1100	7310	7740	4990	8250	7580	3320	3300	1200	6360	1940
2	1060	1080	6700	7920	4440	9020	6370	3280	2730	1340	9430	1930
3	1020	1070	5390	7030	4010	9220	5400	3230	2540	1600	9520	2040
4	996	1060	4540	5130	3800	8650	4870	3940	2320	1790	9930	1940
5	978	1070	5660	4100	3800	6790	5090	4730	2050	1880	11100	1760
6	973	1060	7490	3730	3890	5960	5300	6060	1820	1710	10600	1590
7	967	1060	9960	3500	3810	7330	5070	6980	1720	1550	8960	1500
8	947	1070	13500	3310	3610	8520	4700	7760	1670	1500	6250	1420
9	928	1070	14800	3150	3400	9470	4390	7510	1600	1450	3970	1350
10	922	1100	13600	3120	3250	9500	4260	4840	1540	1370	3090	1290
11	918	1110	11700	3720	3160	8260	4490	3600	1490	1310	2620	1240
12	932	1120	10400	5370	3160	6110	4830	3150	1440	1300	2340	1200
13	1010	1120	9270	6350	3810	4840	5050	2830	1400	1320	2290	1180
14	1130	1120	9390	6500	5620	4430	4960	2600	1360	1330	2510	1150
15	1510	1190	10800	5970	7150	4280	4330	2500	1320	1440	2650	1120
16	1670	1390	10800	5210	8470	4180	3780	2490	1290	1680	2630	1140
17	1550	2120	9390	4470	9730	4020	3500	2420	1250	1560	2570	1120
18	1490	2920	7030	4130	10200	3860	3370	2270	1220	1740	2510	1090
19	1480	2890	4670	4740	9730	3830	3310	2130	1190	2440	2550	1050
20	1430	2930	3900	6210	8290	3890	3380	2040	1170	2750	2320	1020
21	1310	3300	3560	7430	5460	4380	3500	1960	1170	2710	2120	992
22	1210	3760	3400	8360	4340	5490	3690	1930	1230	2400	2020	970
23	1170	4010	3560	8580	4090	6360	4150	2410	1230	2180	1930	947
24	1150	4180	3850	7790	3930	6330	4760	3160	1210	2220	1880	936
25	1180	4960	3970	6750	3810	6210	5400	3050	1210	1970	1830	936
26	1210	5740	3710	6660	3670	6860	5160	2910	1200	1760	1680	923
27	1200	6210	3340	6910	4250	7880	3970	2930	1180	1640	1580	908
28	1200	6530	3230	6820	5970	8980	3350	2990	1130	2140	1490	897
29	1200	6820	4050	6740	7280	9200	3440	3580	1100	2660	1420	894
30	1170	7120	5770	6390	---	8430	3440	4740	1130	3110	1440	904
31	1120	---	6960	5680	---	3080	---	4400	---	4460	2050	---
TOTAL	36121	81260	221700	179510	151120	208610	134890	111740	46210	59510	123640	37377
MEAN	1165	2709	7152	5791	5211	6729	4496	3605	1540	1920	3988	1246
MAX	1670	7120	14800	8580	10200	9500	7580	7760	3300	4460	11100	2040
MIN	918	1060	3230	3120	3160	3830	3310	1930	1100	1200	1420	894
CFSM	.40	.93	2.47	2.00	1.80	2.32	1.55	1.24	.53	.66	1.38	.43
IN.	.46	1.04	2.84	2.30	1.94	2.68	1.73	1.43	.59	.76	1.59	.48

CAL YR 1983 TOTAL 1555619 MEAN 4262 MAX 31900 MIN 850 CFSM 1.47 IN 19.95
WTR YR 1984 TOTAL 1391688 MEAN 3802 MAX 14800 MIN 894 CFSM 1.31 IN 17.85

02349500 FLINT RIVER AT MONTEZUMA, GA.—Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.72	1.75	9.80	10.17	7.53	10.59	10.03	5.41	5.37	1.95	8.93	3.31
2	1.66	1.69	9.26	10.32	6.86	11.22	8.96	5.35	4.56	2.22	11.55	3.29
3	1.58	1.67	7.97	9.55	6.33	11.39	7.99	5.28	4.28	2.72	11.62	3.48
4	1.52	1.66	6.99	7.67	6.05	10.92	7.39	6.23	3.93	3.06	11.92	3.32
5	1.48	1.67	8.25	6.44	6.05	9.33	7.64	7.20	3.49	3.21	12.60	3.00
6	1.47	1.67	9.95	5.95	6.16	8.57	7.89	8.67	3.11	2.91	12.37	2.70
7	1.46	1.65	11.88	5.65	6.07	9.81	7.62	9.51	2.93	2.63	11.16	2.53
8	1.41	1.67	13.79	5.39	5.80	10.81	7.18	10.18	2.85	2.53	8.80	2.38
9	1.37	1.69	14.38	5.17	5.51	11.59	6.80	9.97	2.72	2.43	6.26	2.24
10	1.36	1.74	13.85	5.13	5.31	11.61	6.64	7.31	2.62	2.28	5.08	2.13
11	1.35	1.77	12.95	5.93	5.18	10.59	6.92	5.79	2.51	2.18	4.39	2.03
12	1.38	1.78	12.24	7.94	5.18	8.70	7.33	5.16	2.42	2.15	3.97	1.96
13	1.34	1.78	11.42	8.95	6.05	7.35	7.60	4.71	2.35	2.20	3.89	1.90
14	1.81	1.78	11.52	9.09	8.20	6.84	7.49	4.37	2.25	2.21	4.22	1.84
15	2.54	1.93	12.44	8.57	9.66	6.66	6.72	4.22	2.19	2.42	4.45	1.79
16	2.84	2.32	12.47	7.77	10.77	6.54	6.02	4.20	2.13	2.86	4.42	1.83
17	2.63	3.60	11.52	6.90	11.79	6.33	5.65	4.09	2.06	2.64	4.32	1.78
18	2.51	4.84	9.53	6.47	12.11	6.13	5.48	3.86	2.00	2.96	4.24	1.71
19	2.50	4.80	7.13	7.23	11.79	6.09	5.39	3.62	1.94	4.12	4.29	1.63
20	2.40	4.85	6.18	8.80	10.61	6.16	5.49	3.48	1.88	4.59	3.93	1.56
21	2.16	5.38	5.73	9.90	8.02	6.78	5.65	3.35	1.89	4.54	3.61	1.51
22	1.98	6.00	5.52	10.68	6.74	8.08	5.91	3.29	2.02	4.07	3.45	1.46
23	1.90	6.32	5.73	10.86	6.42	8.96	6.50	4.06	2.01	3.71	3.29	1.41
24	1.85	6.54	6.11	10.20	6.21	8.93	7.25	5.18	1.97	3.78	3.21	1.39
25	1.91	7.46	6.27	9.31	6.07	8.82	7.59	5.03	1.96	3.36	3.12	1.39
26	1.97	8.35	5.94	9.23	5.88	9.41	7.72	4.83	1.96	3.00	2.87	1.36
27	1.96	8.81	5.43	9.45	6.61	10.28	6.26	4.86	1.90	2.79	2.67	1.33
28	1.96	9.11	5.28	9.37	8.57	11.19	5.45	4.95	1.81	3.64	2.51	1.30
29	1.94	9.38	6.36	9.30	9.77	11.36	5.56	5.74	1.75	4.45	2.39	1.29
30	1.89	9.64	8.36	8.99	—	10.74	5.56	7.22	1.80	5.10	2.43	1.32
31	1.80	—	9.49	8.29	—	10.45	—	6.81	—	6.87	3.50	—
MEAN	1.87	4.11	9.15	8.22	7.49	9.10	6.87	5.61	2.56	3.21	5.66	2.01
MAX	2.84	9.64	14.38	10.86	12.11	11.61	10.03	10.18	5.37	6.87	12.60	3.48
MIN	1.35	1.65	5.28	5.13	5.18	6.09	5.39	3.29	1.75	1.95	2.39	1.29

CAL YR 1983 MEAN 5.68 MAX 19.20 MIN 1.19
WTR YR 1984 MEAN 5.49 MAX 14.38 MIN 1.29

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to July 1974, August 1976 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 18...	1020	1490	47	47	7.1	7.0	19.0	24.5	8.4	92
NOV 15...	1040	1180	48	51	7.1	7.3	12.0	16.5	9.4	89
DEC 19...	1230	4570	43	40	6.7	6.8	9.5	12.0	9.7	86
JAN 17...	1100	4470	43	40	6.8	6.7	6.5	10.5	11.3	93
FEB 21...	1120	5370	42	39	6.7	6.8	12.5	19.0	8.8	84
MAR 26...	1150	6850	39	36	6.8	6.9	16.0	23.0	8.3	86
APR 17...	1120	3510	45	43	6.8	7.1	16.5	18.5	8.4	88
MAY 22...	1020	1910	51	50	7.0	7.2	22.5	28.0	7.6	89
JUN 19...	1030	1200	57	57	7.1	7.2	28.0	33.5	7.1	92
JUL 17...	1005	1550	53	53	6.7	6.9	28.0	29.0	7.0	91
AUG 21...	0935	2120	57	56	7.1	7.4	26.0	27.5	7.1	89
SEP 18...	1025	1090	58	56	6.9	7.4	20.5	19.0	8.0	90

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT 18...	45	15	14	.7	50	15	14	.18	.020
NOV 15...	30	6.0	6	.7	100	16	5	.14	.020
DEC 19...	110	30	17	--	20	13	30	.14	.030
JAN 17...	100	30	30	.7	<20	10	20	.41	.180
FEB 21...	100	36	14	.5	50	11	30	.15	.050
MAR 26...	120	140	14	1.1	1100	11	102	.14	.030
APR 17...	45	20	10	.4	<20	15	25	.16	.120
MAY 22...	35	19	15	--	<20	17	20	.24	.440
JUN 19...	40	7.0	10	.8	20	19	6	.18	.030
JUL 17...	50	10	--	.6	50	15	17	.26	.040
AUG 21...	60	17	--	.6	110	19	22	.26	.030
SEP 18...	25	7.0	--	.8	90	20	6	.16	.030

02349500 FLINT RIVER AT MONTEZUMA, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
18...	.28	.30	.48	.080	4.2
NOV					
15...	.18	.20	.34	.190	3.2
DEC					
19...	—	<.10	—	.070	4.3
JAN					
17...	.22	.40	.81	.040	12
FEB					
21...	.25	.30	.45	.070	4.6
MAR					
26...	.27	.30	.44	.150	8.6
APR					
17...	.00	.10	.26	.070	2.3
MAY					
22...	.16	.60	.84	.100	5.0
JUN					
19...	.17	.20	.38	.130	4.0
JUL					
17...	—	—	—	.070	11
AUG					
21...	—	—	—	.080	3.1
SEP					
18...	—	—	—	.150	2.5

02349900 TURKEY CREEK AT BYROMVILLE, GA.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, Hydrologic Unit 03130006, on downstream side of bridge on State Highway 90, 0.5 mi southwest of Byromville, and 11 mi upstream from mouth.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 286 ft, from topographic map. Prior to June 19, 1958, crest-stage gage at site 50 ft upstream at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--26 years (1958-84), 49.1 ft³/s, 14.82 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,820 ft³/s Apr. 1, 1981, gage height, 13.82 ft; minimum discharge, 0.1 ft³/s July 28, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 7	0800	515	9.85	July 3	0600	400	9.53
Feb. 28	0500	603	10.06	Aug. 1	0800	*936	10.69
May 29	1800	495	9.80				

Minimum discharge, 4.3 ft³/s Sept. 9, 10, 13, 14, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	5.5	62	60	105	120	46	30	42	7.2	714	6.2
2	5.3	5.5	47	57	91	95	42	29	32	111	437	5.8
3	5.2	5.5	40	54	83	82	52	44	27	260	219	6.0
4	5.3	5.6	48	52	88	73	73	264	22	50	140	5.8
5	7.1	5.8	55	50	89	84	105	159	19	20	92	6.6
6	6.1	5.8	160	48	74	273	70	73	17	13	66	6.9
7	5.8	6.0	398	45	64	267	52	54	16	11	49	6.4
8	5.6	6.1	169	42	60	175	45	44	14	8.8	38	5.4
9	5.6	6.1	107	39	57	133	58	43	13	7.7	32	4.5
10	5.7	6.4	80	56	56	105	62	37	12	7.1	28	4.7
11	5.6	6.2	117	99	58	90	49	32	11	6.3	24	5.4
12	5.7	6.2	325	79	55	82	43	29	9.9	6.8	21	5.2
13	6.0	6.3	207	59	102	82	38	27	9.7	36	33	4.7
14	5.9	6.6	139	53	196	78	36	25	9.5	17	26	4.5
15	5.8	8.5	110	50	147	69	57	30	9.6	23	19	4.9
16	5.4	8.3	85	52	97	63	47	28	9.4	22	16	4.8
17	5.5	7.2	71	56	82	59	35	23	8.9	17	13	4.8
18	5.6	6.9	79	59	79	56	32	20	8.3	13	13	4.9
19	5.6	6.9	128	164	67	54	28	18	7.4	16	11	4.9
20	5.5	27	106	176	65	64	42	17	7.1	16	10	4.7
21	5.7	23	81	118	61	130	58	17	7.1	12	11	4.7
22	5.6	15	79	94	60	91	35	21	8.7	9.5	10	4.6
23	5.9	12	90	81	83	65	150	26	10	7.9	12	4.6
24	6.0	62	79	161	78	56	148	38	10	7.0	27	4.7
25	5.7	166	64	309	63	120	67	20	11	6.6	16	4.7
26	5.7	124	56	223	53	133	46	17	8.7	6.4	13	4.6
27	5.4	60	53	227	215	83	40	28	7.8	8.3	11	4.5
28	5.3	98	67	242	448	83	42	26	7.2	12	9.9	4.5
29	5.3	208	104	175	182	77	51	258	7.8	44	8.8	4.5
30	5.4	107	92	142	---	59	39	200	7.6	121	8.1	4.5
31	5.4	---	69	123	---	51	---	67	---	483	6.3	---
TOTAL	175.0	1023.4	3367	3245	2958	3052	1688	1744	390.7	1386.6	2134.1	153.0
MEAN	5.65	34.1	109	105	102	98.5	56.3	56.3	13.0	44.7	68.8	5.10
MAX	7.1	208	398	309	448	273	150	264	42	483	714	6.9
MIN	5.2	5.5	40	39	53	51	28	17	7.1	6.3	6.3	4.5
CFSM	.13	.76	2.42	2.33	2.27	2.19	1.25	1.25	.29	.99	1.53	.11
IN.	.14	.85	2.78	2.68	2.45	2.52	1.40	1.44	.32	1.13	1.76	.13

CAL YR 1983 TOTAL 23396.3 MEAN 64.1 MAX 1030 MIN 3.8 CFSM 1.42 IN 19.34
WTR YR 1984 TOTAL 21316.8 MEAN 58.2 MAX 714 MIN 4.5 CFSM 1.29 IN 17.62

02350001 FLINT RIVER NEAR VIENNA, GA.

LOCATION.--Lat 32°03'38", long 83°58'36", Dooly County, Hydrologic Unit 03100206, at bridge on State Route 27, 0.2 mi downstream of Turkey Creek, and 12 mi west of Vienna, and at mile 154.1.
DRAINAGE AREA.--3,390 mi^2.
PERIOD OF RECORD.--July 1979 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Records of discharge for the water years 1927-30 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
18...	0905	93	93	7.0	7.1	19.0	25.0	8.3	90
NOV									
15...	1005	97	99	7.1	7.3	13.0	22.5	8.8	85
DEC									
19...	1050	58	53	6.6	6.9	9.5	12.0	9.3	82
JAN									
17...	0955	65	62	6.9	6.7	6.5	10.0	11.1	91
FEB									
21...	1005	54	52	6.6	6.8	12.5	15.5	8.6	82
MAR									
26...	1030	60	56	6.8	6.9	16.0	20.5	8.1	84
APR									
17...	1005	72	69	6.8	7.1	16.5	20.0	8.0	84
MAY									
22...	0845	82	80	6.9	7.2	23.0	24.5	7.2	85
JUN									
19...	0935	90	92	7.0	7.1	28.0	31.0	6.4	83
JUL									
17...	0855	61	62	6.7	7.0	28.5	28.5	6.2	81
AUG									
21...	0850	85	84	7.1	7.2	27.0	24.5	6.6	84
SEP									
18...	0910	109	107	6.9	7.4	21.5	19.5	7.2	52

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
18...	50	9.0	.3	130	16	.18	.080	.060	5.0
NOV									
15...	40	6.0	.5	20	20	.18	.050	.050	3.8
DEC									
19...	120	25	--	80	13	.14	.040	.070	4.9
JAN									
17...	80	25	.7	130	13	.53	.340	.040	4.9
FEB									
21...	110	35	.8	50	11	.18	.060	.030	5.5
MAR									
26...	75	22	1.1	40	13	.19	.070	.060	6.0
APR									
17...	65	19	.5	50	16	.19	.070	.040	2.7
MAY									
22...	50	15	--	<20	18	.34	.100	.050	4.6
JUN									
19...	55	8.0	1.0	<20	20	.26	.060	.050	3.0
JUL									
17...	70	10	.6	35	16	.26	.030	.030	3.7
AUG									
21...	70	15	1.1	20	20	.29	.040	.050	3.9
SEP									
18...	45	10	.4	50	20	.23	.060	.030	2.7

02350080 LIME CREEK NEAR COBB, GA.

LOCATION.--Lat 32°02'06", long 83°59'33", Sumter County, Hydrologic Unit 03130006, on downstream side of bridge on county road, 5 miles north of Cobb.

DRAINAGE AREA.--61.8 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954, 1957, 1974, 1979, and 1981. April 1983 to January 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 245 ft, from topographic map.

REMARKS.--Records good except those of no gage-height record, July 6-25, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 347 ft^3/s Dec. 7, 1983, gage height, 7.18 ft; minimum daily discharge, 3.2 ft^3/s Aug. 17, 18, 1983.

EXTREMES FOR APRIL 30, 1983 TO JANUARY 11, 1984.--Maximum discharge, 347 ft^3/s Dec. 7, gage height, 7.18 ft; minimum daily discharge, 3.2 ft^3/s Aug. 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	46	20	33	5.0	12
2							---	35	19	28	5.4	30
3							---	36	17	25	9.1	30
4							---	45	16	22	8.2	33
5							---	42	18	21	10	23
6							---	37	19	20	9.0	19
7							---	32	25	19	11	17
8							---	30	46	19	11	16
9							---	33	36	18	19	14
10							---	33	27	18	16	14
11							---	71	22	17	14	14
12							---	59	19	16	11	15
13							---	47	18	16	10	23
14							---	39	15	15	10	34
15							---	34	14	15	8.1	31
16							---	37	13	17	5.7	21
17							---	43	14	16	3.2	18
18							---	36	13	15	3.2	17
19							---	34	12	14	4.1	16
20							---	38	14	14	3.7	28
21							---	38	17	14	3.9	30
22							---	34	82	13	7.6	28
23							---	31	226	14	7.9	22
24							---	28	219	16	5.4	19
25							---	25	106	19	6.4	17
26							---	23	66	16	5.8	15
27							---	22	47	12	5.1	15
28							---	21	41	8.2	3.4	15
29							---	20	43	7.7	4.4	14
30							47	20	37	7.1	4.2	15
31							---	20	---	5.7	4.9	---
TOTAL							---	1089	1281	510.7	236.7	615
MEAN							---	35.1	42.7	16.5	7.64	20.5
MAX							---	71	226	33	19	34
MIN							---	20	12	5.7	3.2	12
CFSM							---	.57	.69	.27	.12	.33
IN.							---	.66	.77	.31	.14	.37

02350080 LIME CREEK NEAR COBB, GA.—Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	61	115								
2	14	14	51	105								
3	12	15	47	98								
4	11	15	64	93								
5	12	15	70	88								
6	14	15	218	84								
7	14	15	321	80								
8	14	16	222	75								
9	15	17	126	71								
10	17	17	97	88								
11	16	18	141	130								
12	15	21	276	—								
13	16	19	275	—								
14	20	17	204	—								
15	18	17	143	—								
16	16	20	114	—								
17	15	20	99	—								
18	15	19	153	—								
19	15	18	207	—								
20	15	28	145	—								
21	15	38	117	—								
22	15	43	114	—								
23	15	26	125	—								
24	16	63	111	—								
25	16	133	94	—								
26	15	120	89	—								
27	15	61	83	—								
28	14	101	129	—								
29	14	126	204	—								
30	14	85	204	—								
31	13	—	144	—								
TOTAL	460	1166	4448	—								
MEAN	14.8	38.9	143	—								
MAX	20	133	321	—								
MIN	11	14	47	—								
CFSM	.24	.63	2.31	—								
IN.	.28	.70	2.68	—								

02350220 GUM CREEK AT CONEY, GA.

LOCATION.—Lat 31°37'40", long 83°53'05", Crisp County, Hydrologic Unit 03130006, on downstream side of bridge on U.S. Highway 280 at Coney.

DRAINAGE AREA.—73.0 mi^2.

PERIOD OF RECORD.—April 1983 to January 1984 (discontinued). Miscellaneous discharge measurements were made in 1974, 1980, and 1981 water years.

GAGE.—Water-stage recorder. Altitude of gage is 240 ft, from topographic map.

REMARKS.—Records good. Low flows affected by operation of wastewater treatment plants located upstream of gage.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 382 ft^3/s Dec. 7, 1983, gage height, 6.03 ft; minimum daily discharge, 8.9 ft^3/s Aug. 21, 1983.

EXTREMES FOR APRIL 30, 1983 TO JANUARY 11, 1984.—Maximum discharge, 382 ft^3/s Dec. 7, gage height, 6.03 ft; minimum daily discharge, 8.9 ft^3/s Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	49	24	35	16	27
2							---	48	23	32	18	28
3							---	48	22	28	18	23
4							---	50	22	26	17	19
5							---	47	23	23	20	18
6							---	48	35	22	19	17
7							---	36	49	23	18	16
8							---	38	63	20	18	15
9							---	38	52	19	17	15
10							---	37	41	18	20	9.6
11							---	39	35	18	60	11
12							---	38	30	18	37	14
13							---	37	28	19	25	37
14							---	35	26	18	20	58
15							---	34	26	19	16	44
16							---	35	24	19	14	29
17							---	37	22	18	12	22
18							---	34	22	18	12	19
19							---	32	21	17	12	18
20							---	33	23	17	12	43
21							---	32	26	17	8.9	42
22							---	31	31	18	12	29
23							---	31	31	18	13	22
24							---	29	32	19	12	19
25							---	28	28	19	11	18
26							---	27	25	18	10	16
27							---	27	25	16	12	15
28							---	26	24	18	12	14
29							---	25	24	14	14	14
30							52	26	24	13	14	14
31							---	29	---	14	26	---
TOTAL							---	1104	881	611	545.9	685.6
MEAN							---	35.6	29.4	19.7	17.6	22.9
MAX							---	50	63	35	60	58
MIN							---	25	21	13	8.9	9.6
CFSM							---	.49	.40	.27	.24	.31
IN.							---	.56	.45	.31	.28	.35

02350220 GUM CREEK AT CONEY, GA.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	66	160								
2	14	13	47	126								
3	13	13	44	103								
4	13	13	52	91								
5	12	14	56	85								
6	13	14	209	82								
7	14	15	369	75								
8	12	18	277	72								
9	13	22	184	69								
10	14	18	112	72								
11	15	17	111	82								
12	14	17	227	---								
13	16	17	273	---								
14	18	17	274	---								
15	16	18	202	---								
16	15	21	59	---								
17	14	21	72	---								
18	17	21	100	---								
19	16	20	132	---								
20	14	34	126	---								
21	13	52	124	---								
22	14	36	123	---								
23	14	28	120	---								
24	15	72	110	---								
25	13	177	97	---								
26	14	105	86	---								
27	14	58	81	---								
28	14	69	96	---								
29	14	93	146	---								
30	15	188	167	---								
31	14	---	178	---								
TOTAL	443	1233	4320	---								
MEAN	14.3	41.1	139	---								
MAX	18	188	369	---								
MIN	12	12	44	---								
CFSM	.20	.56	1.90	---								
IN.	.23	.63	2.20	---								

02350300 CEDAR CREEK NEAR CORDELE, GA.

LOCATION.--Lat 31°54'45", long 83°51'18", Crisp County, Hydrologic Unit 03130006, on downstream side of bridge on State Highway 300, 5 miles south of Cordele.

DRAINAGE AREA.--34.0 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954, 1957, 1961, 1965-68, 1973, and 1979-81. April 1983 to January 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 250 ft, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 257 ft^3/s Dec. 7, 1983, gage height, 5.13 ft; minimum daily discharge, 1.2 ft^3/s Aug. 24, 1983. A discharge of 1.0 ft^3/s was measured Oct. 16, 1972.

EXTREMES FOR APRIL 30, 1983 TO JANUARY 11, 1984.--Maximum discharge, 257 ft^3/s Dec. 7, gage height, 5.13 ft; minimum daily discharge, 1.2 ft^3/s Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	16	6.1	7.5	3.1	3.3
2							---	15	5.9	12	3.3	3.5
3							---	15	5.8	11	3.2	3.6
4							---	15	5.7	8.7	3.0	3.5
5							---	14	5.8	7.8	3.0	3.4
6							---	14	6.0	7.2	3.2	3.1
7							---	14	9.5	6.3	3.6	2.6
8							---	13	9.3	5.7	3.5	1.7
9							---	12	7.6	5.3	3.3	1.7
10							---	12	7.0	5.1	3.0	2.0
11							---	12	6.3	5.3	2.7	2.2
12							---	12	5.9	5.1	2.7	2.4
13							---	11	5.7	4.9	2.5	3.1
14							---	11	5.5	4.6	2.4	3.1
15							---	9.7	5.3	4.7	2.4	3.1
16							---	10	4.9	4.4	2.2	3.1
17							---	9.6	4.4	4.3	2.0	3.0
18							---	9.1	4.3	4.2	2.0	2.9
19							---	9.3	4.6	4.0	2.2	3.7
20							---	9.3	4.5	3.8	2.3	3.3
21							---	9.1	5.1	3.6	2.3	3.2
22							---	12	5.9	3.5	2.2	3.0
23							---	12	7.5	3.5	1.8	2.8
24							---	8.1	6.5	3.4	1.2	2.7
25							---	7.4	5.7	3.3	1.6	2.3
26							---	7.3	5.9	3.3	1.7	2.1
27							---	7.0	5.9	3.2	1.5	2.2
28							---	6.6	6.3	2.7	1.7	2.2
29							---	6.5	6.4	2.9	2.2	2.2
30							18	6.4	7.0	2.9	1.8	2.3
31							---	6.3	---	3.0	2.0	---
TOTAL							---	331.7	182.3	157.2	75.6	83.3
MEAN							---	10.7	6.08	5.07	2.44	2.78
MAX							---	16	9.5	12	3.6	3.7
MIN							---	6.3	4.3	2.7	1.2	1.7
CFSM							---	.32	.18	.15	.07	.08
IN.							---	.36	.20	.17	.08	.09

02350300 CEDAR CREEK NEAR CORDELE, GA.—Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.1	11	49								
2	2.2	2.1	8.3	36								
3	2.2	2.2	6.9	29								
4	2.2	2.2	8.2	25								
5	2.3	2.3	7.2	24								
6	2.3	2.3	68	22								
7	2.3	2.4	205	20								
8	2.3	2.4	107	17								
9	2.6	2.7	47	15								
10	2.5	2.5	27	16								
11	2.5	2.5	29	17								
12	2.5	2.4	83	---								
13	2.5	2.4	142	---								
14	2.2	2.5	77	---								
15	2.1	2.5	63	---								
16	1.9	2.5	49	---								
17	2.0	2.6	33	---								
18	2.0	2.6	28	---								
19	2.0	2.9	37	---								
20	2.0	6.0	54	---								
21	2.0	3.8	45	---								
22	1.9	3.4	35	---								
23	1.9	3.6	33	---								
24	1.9	12	31	---								
25	1.8	8.5	26	---								
26	1.8	5.9	23	---								
27	1.8	5.1	20	---								
28	1.8	9.6	26	---								
29	1.8	8.5	51	---								
30	1.9	13	92	---								
31	2.1	---	75	---								
TOTAL	65.7	125.5	1547.6	---								
MEAN	2.12	4.18	49.9	---								
MAX	2.6	13	205	---								
MIN	1.8	2.1	6.9	---								
CFSM	.06	.12	1.47	---								
IN.	.07	.14	1.69	---								

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State Highway 41, 1 mi southwest of Preston, and 1 mi upstream from Harrel Mill Creek.
DRAINAGE AREA.--197 mi^2.
PERIOD OF RECORD.--December 1969 to September 1970, November 1971 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey. Water-discharge records for the water years 1951-77 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
APR 03...	1130	280	35	31	6.6	6.2	14.5	8.3	83
JUL 26...	1130	92	39	34	6.9	6.8	24.0	7.2	86

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
APR 03...	70	13	12	0	3.9	.67	1.5	20	.2	.60	12	5.8
JUL 26...	65	13	12	2	3.6	.61	1.4	20	.2	.50	10	2.4

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
APR 03...	1.3	2.9	<.10	4.7	38	24	29	.05	<.10	<.10	<.010
JUL 26...	.9	3.1	<.10	6.9	37	24	9.2	.05	.20	.18	<.010

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
APR 03...	<.010	--	1.2	1.1	--	.020	<.010	4.9	30	1	1
JUL 26...	.020	.28	.40	.30	.60	.040	.020	4.	<10	1	<1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR 03...	<1	<10	<1	820	2	1	180	.2	<.1	<1	14
JUL 26...	1	<10	1	810	6	3	120	<.1	<.1	<1	20

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.

LOCATION.--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, at bridge on State Highway 195, 75 ft downstream from White Oak Branch, 3.3 mi downstream from Muckaloochee Creek, and 4.0 mi northeast of Leesburg.

DRAINAGE AREA.--362 mi^2.

PERIOD OF RECORD.--December 1979 to current year.

REVISED RECORDS.--WRD GA-82-1: 1980(P), 1981(P).

GAGE.--Water-stage recorder. Altitude of gage is 220 ft, from topographic map.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,810 ft^3/s Mar. 8, 1983, gage height, 13.20 ft; minimum discharge, 28 ft^3/s July 16, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 9	0300	1310	10.34	Mar. 7	0300	2530	11.68
Dec. 14	1300	1260	10.25	May 4	1100	*4160	12.83
Jan. 26	1400	2000	11.20	May 30	1000	2810	11.90
Feb. 16	0200	1230	10.20	Aug. 2	0800	2410	11.58
Feb. 29	1900	1330	10.38				

Minimum discharge, 84 ft^3/s June 20, gage height, 3.43 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	129	730	744	819	1290	539	412	849	240	2250	156
2	133	130	678	688	672	1130	486	425	518	243	2360	146
3	132	131	623	627	602	906	476	751	377	258	2080	139
4	129	133	581	563	573	697	547	3720	295	263	1720	133
5	128	134	497	542	551	633	632	2670	243	257	1210	152
6	127	135	890	529	527	1730	662	1420	215	209	807	162
7	130	137	875	516	512	2400	613	1040	198	172	560	150
8	130	141	1040	510	493	1930	557	967	183	183	423	138
9	129	145	1250	493	469	1590	527	723	169	205	332	131
10	134	153	1160	491	447	1280	519	515	158	170	279	125
11	137	156	988	514	436	997	527	468	148	149	242	121
12	134	157	927	561	442	795	525	408	139	168	221	116
13	137	156	894	593	369	690	487	345	133	209	212	109
14	153	154	1220	596	773	645	436	300	128	214	200	107
15	190	154	1220	567	1050	613	462	290	118	175	194	103
16	223	158	1070	539	1220	583	482	286	114	172	184	102
17	219	173	836	501	1130	553	438	279	112	176	169	109
18	191	200	726	495	935	527	369	263	106	187	153	105
19	166	215	748	617	710	507	334	236	99	226	149	106
20	155	244	691	717	586	503	336	212	90	283	192	107
21	152	294	638	864	539	556	326	202	92	379	267	106
22	148	329	591	862	514	609	345	215	154	431	290	104
23	146	422	556	787	538	688	698	226	198	463	318	99
24	145	664	532	948	565	733	782	244	280	278	328	98
25	147	822	515	1400	561	756	677	245	247	201	339	97
26	148	759	508	1910	540	614	595	254	384	171	348	97
27	147	849	495	1890	637	573	559	1090	522	152	391	97
28	144	892	497	1900	917	681	422	1410	246	150	326	96
29	139	891	567	1650	1240	772	387	1850	194	267	216	96
30	134	803	668	1260	---	742	392	2510	231	520	179	96
31	130	---	777	984	---	602	---	1490	---	1330	165	---
TOTAL	4592	9860	23988	25828	19567	27325	15137	25466	6940	8501	17104	3503
MEAN	148	329	774	833	675	881	505	821	231	274	552	117
MAX	223	892	1250	1910	1240	2400	782	3720	849	1330	2360	162
MIN	127	129	495	491	436	503	326	202	90	149	149	96
CFSM	.41	.91	2.14	2.30	1.87	2.43	1.40	2.27	.64	.76	1.53	.32
IN.	.47	1.01	2.47	2.65	2.01	2.81	1.56	2.62	.71	.87	1.76	.36

CAL YR 1983 TOTAL 194811 MEAN 534 MAX 4050 MIN 67 CFSM 1.48 IN 20.02
WTR YR 1984 TOTAL 187811 MEAN 513 MAX 3720 MIN 90 CFSM 1.42 IN 19.30

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84°08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, and at mile 103.4.
DRAINAGE AREA.--5,310 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1897 to September 1901 (gage heights only), October 1901 to June 1921, September 1929 to current year. Monthly discharges only for some periods, published in WSP 1304. Gage-height records collected at site 1 mi downstream since 1893 are contained in reports of National Weather Service.
REVISED RECORDS.--WSP 1504: 1902, 1913(M), 1916-17, 1919-21, 1930(m), 1934(m), drainage area.
GAGE.--Water-stage recorder. Datum of gage is 150.03 ft, National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi downstream at datum 1.3 ft lower. Jan. 1, 1902, to June 30, 1921, nonrecording gage at site 1 mi downstream at datum 2.0 ft lower.
REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.
AVERAGE DISCHARGE.--74 years (1901-20, 1929-84), 6,315 ft³/s, 16.15 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,000 ft³/s Mar. 7, 1966, gage height, 34.72 ft; minimum daily, 327 ft³/s regulated Aug. 24, 1930.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1893, 37.84 ft Jan. 21, 1925, from floodmark, present site and datum, discharge, 92,000 ft³/s, from rating curve extended above 75,000 ft³/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 10	1300	20300	15.28	Mar. 7	1115	*26600	19.57
Jan. 25	2245	21800	16.36	May 5	1415	21000	15.81

Minimum daily discharge, 1,060 ft³/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1600	11400	10700	13700	15700	13500	6180	10100	2380	12800	1980
2	1390	1650	10600	11500	10000	13800	8980	6440	6100	2730	16700	1240
3	2130	1710	11300	13900	10400	14700	12300	7280	3780	3220	17800	2240
4	2530	1770	9990	10900	10100	15000	11900	15900	6810	3270	18300	2850
5	2610	1800	7940	10500	7100	14700	11400	20700	4530	3420	16800	3090
6	2680	1770	11300	9320	6810	21500	11100	17300	4300	3330	15600	2750
7	1380	2130	19500	5100	7570	25700	10600	13700	3670	2670	14600	2550
8	1140	2410	17500	5450	7930	23100	9140	10700	3330	2570	13200	2070
9	1060	1660	16200	6960	7630	19900	7730	11000	1900	2850	11200	2260
10	1060	1590	18500	5600	5690	16300	9760	12400	1590	3000	5890	2300
11	1070	1740	19600	10500	6920	17400	7950	10600	1710	3140	4770	2760
12	1480	1770	18400	5700	6290	14900	7880	6150	2970	2960	3820	2220
13	1540	1470	18400	6550	9260	13900	8840	6360	2040	2390	5680	2590
14	1710	2000	17600	10400	8980	10400	7850	3860	2160	2320	4490	2410
15	2040	1740	16200	10100	11400	9080	8020	5400	2650	2080	4030	2130
16	1520	1960	14300	9800	12700	6270	8280	4220	2030	1730	3290	1220
17	3940	2760	16000	9670	14400	10100	5920	5320	1450	2710	3220	1230
18	2000	2350	17500	9330	14100	7490	5720	3300	3140	2240	3490	1230
19	2140	2990	14400	10500	14500	7490	6010	2970	2480	4090	3650	1200
20	2390	5620	10600	10800	16100	9750	5960	3390	2800	4610	4130	1260
21	2400	5580	10200	11300	13800	9050	5490	4100	3440	3720	3220	1640
22	2060	5030	6760	11700	10700	10300	5620	4770	2510	4280	3540	1580
23	1370	4890	5390	15000	8660	10600	12000	3700	1890	5200	3050	2210
24	2470	8030	5900	15300	7800	10400	9770	2720	1670	4620	3960	1190
25	2270	11700	6760	20000	7760	10300	9530	5700	3250	2320	3820	1300
26	1270	8170	7930	21100	7590	10000	10300	4310	2680	2630	2930	1380
27	1530	8630	5300	20300	7620	10800	9650	3290	2770	2820	2460	1400
28	1960	11100	6310	21300	12900	14500	8960	6110	2780	2610	3540	1440
29	2340	11300	9200	20400	16100	14300	5080	12700	2240	3730	3330	1490
30	1390	10600	10000	17500	---	14000	4540	15200	2050	7550	2770	1670
31	2170	---	10100	14600	---	14300	---	16200	---	12400	3510	---
TOTAL	58200	127520	381080	371780	294510	415730	259780	256970	94820	109590	219590	56880
MEAN	1877	4251	12290	11990	10160	13410	8659	8289	3161	3535	7084	1896
MAX	3940	11700	19600	21300	16100	25700	13500	20700	10100	12400	18300	3090
MIN	1060	1470	5300	5100	5690	6270	4540	2720	1450	1730	2460	1190
CFSM	.35	.80	2.32	2.26	1.91	2.53	1.63	1.56	.60	.67	1.33	.36
IN.	.41	.89	2.67	2.60	2.06	2.91	1.82	1.80	.66	.77	1.54	.40

CAL YR 1983 TOTAL 2824766 MEAN 7739 MAX 31000 MIN 960 CFSM 1.46 IN 19.79
WTR YR 1984 TOTAL 2646450 MEAN 7231 MAX 25700 MIN 1060 CFSM 1.36 IN 18.54

02352500 FLINT RIVER AT ALBANY, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.57	3.11	9.14	8.72	10.50	11.90	10.38	6.28	8.40	3.85	9.97	3.49
2	2.86	3.15	8.69	9.17	8.35	10.60	7.78	6.41	6.23	4.15	12.67	2.67
3	3.61	3.22	9.05	10.64	8.56	11.15	9.69	6.87	4.93	4.54	13.40	3.75
4	3.97	3.30	8.30	8.82	8.35	11.39	9.40	12.07	6.62	4.59	13.84	4.21
5	3.99	3.34	7.20	8.57	6.75	11.16	9.10	15.60	5.31	4.70	12.66	4.46
6	4.06	3.30	9.22	7.92	6.60	16.08	8.95	13.09	5.24	4.60	11.79	4.15
7	2.84	3.59	14.67	5.60	7.03	19.07	8.67	10.53	4.82	4.10	11.12	3.99
8	2.55	3.92	13.18	5.87	7.21	17.37	7.85	8.71	4.61	4.02	10.12	3.60
9	2.43	3.17	12.24	6.69	7.04	14.98	7.11	8.86	3.42	4.27	9.01	3.77
10	2.44	3.11	13.92	5.87	6.00	12.32	8.18	9.73	3.10	4.36	6.08	3.79
11	2.45	3.26	14.80	8.62	6.66	13.17	7.22	8.73	3.19	4.47	5.45	4.20
12	2.94	3.30	13.90	5.92	6.34	11.36	7.19	6.26	4.38	4.33	4.88	3.73
13	3.01	2.97	13.87	6.49	7.95	10.67	7.68	6.36	3.54	3.85	6.01	4.03
14	3.20	3.51	13.28	8.58	7.77	8.55	7.17	4.87	3.66	3.80	5.29	3.86
15	3.54	3.25	12.25	8.37	9.13	7.82	7.26	5.85	4.08	3.61	5.07	3.64
16	3.02	3.45	10.90	8.20	9.86	6.31	7.40	5.18	3.54	3.18	4.57	2.66
17	4.98	4.15	12.08	8.12	11.01	8.38	6.13	5.81	3.05	4.14	4.49	2.68
18	3.49	3.83	13.20	7.94	10.80	6.99	6.04	4.52	4.42	3.74	4.72	2.67
19	3.67	4.38	10.98	8.62	11.04	6.98	6.19	4.37	3.85	5.10	4.83	2.63
20	3.91	5.98	8.66	8.76	12.17	8.17	6.16	4.68	4.18	5.40	5.15	2.71
21	3.88	5.95	8.43	9.05	10.57	7.80	5.91	5.11	4.64	4.89	4.50	3.15
22	3.56	5.66	6.57	9.31	8.73	8.49	5.98	5.41	3.97	5.23	4.77	3.09
23	2.84	5.58	5.85	11.39	7.60	8.62	9.48	4.78	3.43	5.74	4.39	3.74
24	3.95	7.24	6.13	11.61	7.16	8.57	8.22	4.10	3.17	5.35	4.99	2.57
25	3.72	9.30	6.61	15.07	7.14	8.49	8.07	6.01	4.57	3.79	4.64	2.73
26	2.72	7.34	7.21	15.90	7.04	8.32	8.45	5.25	4.11	4.07	4.30	2.85
27	3.03	7.58	5.75	15.27	7.05	8.75	8.10	7.42	4.20	4.24	3.90	2.88
28	3.48	8.99	6.34	16.06	9.96	11.09	7.74	6.17	4.20	4.06	4.77	2.92
29	3.86	9.06	7.89	15.38	12.18	10.88	5.68	9.91	3.74	4.90	4.60	2.99
30	2.84	8.67	8.31	13.19	—	10.73	5.37	11.51	3.57	7.00	4.16	3.18
31	3.69	—	8.36	11.09	—	10.91	—	12.29	—	9.73	4.74	—
MEAN	3.33	4.89	9.90	9.70	8.50	10.55	7.62	7.51	4.34	4.64	6.80	3.36
MAX	4.98	9.30	14.80	16.06	12.18	19.07	10.38	15.60	8.40	9.73	13.84	4.46
MIN	2.43	2.97	5.75	5.60	6.00	6.31	5.37	4.10	3.05	3.18	3.90	2.57

CAL YR 1983 MEAN 7.11 MAX 21.76 MIN 2.29
WTR YR 1984 MEAN 6.77 MAX 19.07 MIN 2.43

02352500 FLINT RIVER AT ALBANY, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
DEC 19...	0940	14100	61	55	7.0	7.1	10.0	9.5	10.7	96
MAR 26...	0905	10100	76	72	7.2	7.5	17.0	16.5	8.9	94
JUN 19...	0810	2110	100	103	7.2	7.5	27.0	30.0	6.7	85
SEP 18...	0745	1230	105	104	7.2	7.6	23.0	19.5	7.5	88

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 19...	140	29	—	300	17	.23	.400	.060	5.1
MAR 26...	50	11	1.0	170	22	.35	.040	.040	5.8
JUN 19...	100	19	.9	20	35	.52	.040	.050	4.2
SEP 18...	30	7.0	.8	230	30	.30	.080	<.020	3.2

02352790 FLINT RIVER NEAR PUTNEY, GA.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, Hydrologic Unit 03130008, at Plant Mitchell intake, and 2.5 mi south of Putney, and at mile 90.8.
DRAINAGE AREA.--5,340 mi², approximately.
PERIOD OF RECORD.--August 1974 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1979 to June 1984 (discontinued).
INSTRUMENTATION.--Water-temperature recorder July 1979 to June 1984.
REMARKS.--Flow regulated by powerplants at Flint River and Warwick Reservoirs. (See remarks for station 02352500. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. No daily water-temperature record Jan. 26 to Mar. 2.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum recorded, 31.0°C July 15-18, 1980, July 26-29, 1981; minimum, 4.5°C Jan. 1-3, 1984.
EXTREMES FOR PERIOD OCTOBER 1, 1983 TO JUNE 30, 1984.--
WATER TEMPERATURES: Maximum, 27.5°C June 25, 26; minimum, 4.5°C Jan. 1-3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
19...	1415	2140	131	123	7.5	7.4	22.0	28.5	8.5	98
NOV										
16...	1400	1790	142	148	7.5	7.9	16.0	17.0	8.9	91
DEC										
20...	1455	10200	77	70	7.1	7.2	11.0	14.0	11.3	103
JAN										
18...	1445	9220	92	85	7.2	7.4	9.0	20.0	12.8	112
FEB										
22...	1455	11100	82	77	7.1	7.2	14.0	13.5	10.9	108
APR										
18...	1430	6200	100	95	7.4	7.5	18.5	25.5	9.3	100
26...	1415	9780	87	86	7.2	7.3	20.5	29.0	9.0	102
MAY										
23...	1405	4850	100	97	7.2	7.5	24.0	27.5	7.6	91
JUN										
20...	1325	3680	110	113	7.2	7.6	26.5	35.5	6.6	83
JUL										
24...	1330	6510	105	105	7.1	7.4	28.0	32.0	6.8	88
AUG										
22...	1330	3990	105	104	7.3	7.5	28.5	28.5	6.2	81
SEP										
19...	1340	1470	168	167	7.5	7.7	23.5	28.0	7.1	85

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
19...	40	7.0	--	.8	790	32	<1	.37	.150	--	.120	4.4
NOV												
16...	30	5.0	--	1.0	13000	40	1	.51	.390	--	.160	3.6
DEC												
20...	110	24	--	--	4900	21	<1	.29	.080	--	.060	4.9
JAN												
18...	40	9.0	--	.5	2300	24	2	.48	.110	--	.050	3.1
FEB												
22...	80	26	--	1.1	3300	23	4	.42	.160	--	.070	4.0
APR												
18...	30	10	--	.8	790	31	2	.43	.170	--	<.020	5.5
26...	120	15	--	.8	230	27	7	.38	.120	--	.060	5.5
MAY												
23...	80	17	--	.6	49000	33	<1	.62	.210	--	.090	6.5
JUN												
20...	100	20	--	.5	230	36	6	.47	.060	--	.110	3.9
JUL												
24...	45	15	20	1.2	4900	29	23	.29	.040	.20	.160	3.9
AUG												
22...	70	10	16	.8	70000	35	5	.53	.070	.20	.070	3.6
SEP												
19...	20	5.0	8	1.8	140	53	7	.64	.270	.50	.100	3.3

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	21.5	20.0	19.0	13.5	13.0	5.0	4.5			---	---
2	23.0	22.0	19.5	18.5	14.0	13.5	4.5	4.5			---	---
3	23.5	22.0	20.0	19.0	14.5	14.0	5.0	4.5			11.0	10.5
4	24.0	23.0	20.0	19.0	15.0	14.5	5.5	5.0			11.5	10.5
5	24.5	23.0	19.5	19.0	15.0	15.0	6.5	5.5			12.5	11.5
6	24.5	24.0	19.0	18.5	16.0	15.5	7.0	6.0			13.5	12.5
7	24.0	23.5	18.5	18.0	15.5	14.5	8.5	7.0			13.5	13.0
8	24.0	23.0	18.5	18.5	14.5	13.5	9.0	7.5			13.0	12.5
9	23.5	23.0	18.5	18.0	13.5	13.0	8.5	7.0			12.5	12.0
10	23.0	23.0	18.5	18.0	13.0	12.5	10.0	8.0			12.5	12.0
11	23.0	22.5	18.0	17.0	13.0	13.0	9.0	8.0			12.5	12.0
12	23.0	22.0	17.0	16.5	12.5	12.5	10.0	7.5			13.0	12.5
13	23.0	22.5	16.5	16.0	12.5	12.0	9.0	8.0			14.0	13.0
14	22.5	21.5	16.5	16.0	12.0	11.5	8.0	7.5			15.0	13.5
15	22.0	21.5	17.0	16.5	12.0	11.5	8.0	7.5			15.5	14.5
16	22.5	21.5	16.5	15.5	12.0	11.5	8.0	8.0			16.5	15.5
17	22.0	21.5	15.5	15.0	11.5	11.0	8.5	8.0			16.5	16.0
18	22.5	21.5	15.5	14.5	11.0	11.0	9.0	8.5			17.0	15.5
19	22.5	21.5	15.5	14.5	11.0	11.0	9.5	9.0			18.0	16.5
20	22.5	21.5	15.5	15.0	11.0	11.0	9.0	8.0			17.5	17.0
21	22.5	22.0	15.5	15.0	11.0	10.5	8.0	7.5			16.5	15.5
22	22.5	21.5	15.0	14.5	11.0	10.5	7.5	6.5			16.5	15.5
23	22.0	21.5	15.5	15.0	11.0	10.5	7.0	6.0			17.0	16.0
24	21.5	20.5	16.5	15.5	10.5	9.0	8.0	7.0			17.5	16.5
25	21.5	20.5	16.0	15.0	9.0	7.5	9.0	8.0			18.5	17.5
26	21.0	20.0	15.0	14.5	7.5	6.0	---	---			18.5	17.5
27	20.0	19.5	14.5	14.0	7.0	6.0	---	---			18.0	18.0
28	20.0	19.0	15.0	14.5	7.5	6.0	---	---			19.0	18.0
29	20.0	19.0	15.0	14.0	8.0	6.5	---	---			18.5	17.5
30	20.0	18.5	14.0	13.5	7.5	6.5	---	---			17.5	17.0
31	20.0	19.0	---	---	6.5	5.0	---	---			17.0	16.5
MONTH	24.5	18.5	20.0	13.5	16.0	5.0	10.0	4.5			19.0	10.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.5	23.5	22.5	22.5	21.5						
2	17.0	16.5	23.5	23.0	22.5	21.5						
3	17.0	16.5	23.0	22.5	23.0	22.0						
4	17.0	16.5	23.0	22.5	24.0	22.5						
5	17.0	16.0	22.5	22.0	24.5	23.5						
6	16.5	16.0	23.0	22.5	25.0	24.0						
7	16.5	16.0	24.0	23.0	25.0	24.0						
8	17.0	16.5	24.0	24.0	25.5	24.5						
9	18.0	17.0	24.0	23.0	25.5	24.0						
10	18.0	17.0	23.5	22.5	25.0	24.0						
11	17.0	16.5	23.5	23.0	25.5	24.0						
12	17.0	16.0	23.5	23.0	26.0	25.0						
13	18.0	17.0	24.0	23.0	26.5	25.5						
14	19.0	18.0	24.0	23.0	25.5	25.0						
15	19.0	18.5	24.0	23.0	26.0	25.0						
16	19.0	18.0	24.0	23.0	26.5	25.0						
17	18.5	18.0	23.5	23.0	26.5	25.0						
18	18.5	17.5	23.5	23.0	27.0	25.0						
19	18.5	18.0	24.0	23.0	27.0	26.0						
20	19.5	18.5	24.5	22.5	27.0	26.0						
21	20.0	19.0	24.5	23.0	27.0	26.0						
22	20.5	20.0	24.0	23.5	26.5	26.0						
23	20.5	20.0	24.0	23.5	27.0	25.5						
24	20.5	19.5	24.0	23.5	26.5	25.5						
25	20.0	19.5	25.0	24.0	27.5	25.0						
26	21.0	19.5	25.5	24.5	27.5	26.5						
27	21.5	20.5	26.0	25.0	27.0	26.0						
28	22.0	21.0	25.5	24.5	27.0	26.0						
29	22.0	21.0	25.5	24.5	27.0	25.0						
30	23.0	22.0	24.5	23.5	26.0	24.5						
31	---	---	23.5	22.5	---	---						
MONTH	23.0	16.0	26.0	22.0	27.5	21.5						
YEAR	27.5	4.5										

02353000 FLINT RIVER AT NEWTON, GA.

(National stream-quality accounting network station)

LOCATION.—Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.—5,740 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1938 to September 1950 (monthly discharge only for some periods, published in WSP 1304), October 1956 to current year.

GAGE.—Water-stage recorder. Datum of gage is 110.20 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.

REMARKS.—Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.—40 years, 7,021 ft^3/s, 16.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 66,600 ft^3/s Mar. 9, 1966, gage height, 34.9 ft; minimum discharge, 790 ft^3/s regulated Oct. 20, Nov. 10, 1940.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, 41.3 ft Jan. 21, 1925, from floodmark; discharge, 94,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.—Peak discharge above base of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 29	0800	23000	18.15	Mar. 8	0800	*27500	20.38

Minimum discharge, 1,460 ft^3/s Oct. 11, 12, gage height, 4.04 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1790	2310	10800	10900	15300	16200	14100	7220	13200	3540	12300	3790
2	1650	1860	10600	11100	13400	14300	11700	7940	9120	3200	13700	2560
3	1930	2160	10900	12800	11500	14500	11700	7400	6190	4210	16900	2480
4	2830	2060	10400	12300	11500	14900	12600	11300	6500	4340	17600	3590
5	2690	2110	9680	11100	10700	14600	12600	17100	7280	4220	17600	3630
6	3660	2140	8660	10300	7820	17400	12200	18600	5770	4480	15600	3910
7	2420	2010	15100	9090	9420	25000	11800	15700	5220	3980	15100	3670
8	1770	2780	17300	5840	9220	27200	11000	12600	4570	3490	13500	3140
9	1550	2580	15900	8220	9100	25200	10000	11500	3860	3280	12600	2780
10	1480	1950	15700	7450	8320	20900	10300	11700	2820	3930	9610	3260
11	1460	1950	18300	8770	8100	18200	10300	12700	2610	3840	7150	3330
12	1470	2170	18800	8970	7840	17800	9570	9500	3280	3880	6110	3250
13	2080	2000	17700	7020	8520	15500	9410	7530	3770	3650	5670	3290
14	1810	1800	17700	9040	10500	13500	9740	6750	3010	3330	6950	3360
15	2390	2490	17100	10400	10700	11500	8770	6420	3380	2970	5390	2970
16	2070	1940	14800	10100	12000	9890	9620	6400	3470	2670	5020	2470
17	2610	2810	15000	10100	13400	9470	8830	6100	2670	2970	4500	1950
18	3740	2840	16600	9840	14100	11000	7150	6010	2980	3430	4680	1910
19	2420	2860	16000	10200	13900	8750	7490	4350	3850	3420	4800	1880
20	2650	4270	12700	11000	15200	9840	7520	4490	3550	5410	4760	1840
21	2790	5950	11300	11200	14400	10800	7360	4750	4170	5050	5040	2060
22	2910	5380	10200	11400	12900	10700	6580	6320	3890	4860	4390	2150
23	2160	5350	7620	13100	10900	11300	10500	5110	3020	5510	4710	2430
24	2020	6470	7140	14000	9370	11100	14100	4500	2720	5860	4070	2530
25	3110	9730	7810	17200	9130	11100	11300	5620	3080	4260	6030	1710
26	2170	9910	8180	20300	9100	10900	10700	5790	3950	3230	4080	1960
27	1750	8360	8570	21300	8470	11000	10800	6490	3610	3780	3480	1980
28	1910	9720	6860	22400	11900	12800	10200	8600	3710	3520	4100	1970
29	2550	10700	8400	22700	14000	14500	8750	8820	3630	3990	4470	1950
30	2440	10500	10300	21100	---	14200	6240	13200	3320	6160	4020	2050
31	2140	---	10400	17400	---	14200	---	14900	---	10500	4180	---
TOTAL	70420	129160	386520	386640	320710	448250	302930	275410	132220	130960	248110	79850
MEAN	2272	4305	12470	12470	11060	14460	10100	8884	4407	4225	8004	2662
MAX	3740	10700	18800	22700	15300	27200	14100	18600	13200	10500	17600	3910
MIN	1460	1800	6860	5840	7820	8750	6240	4350	2610	2670	3480	1710
CFSM	.40	.75	2.17	2.17	1.93	2.52	1.76	1.55	.77	.74	1.39	.46
IN.	.46	.84	2.50	2.51	2.08	2.91	1.96	1.78	.86	.85	1.61	.52

CAL YR 1983 TOTAL 3057370 MEAN 8376 MAX 30200 MIN 1420 CFSM 1.46 IN 19.81
WTR YR 1984 TOTAL 2911180 MEAN 7954 MAX 27200 MIN 1460 CFSM 1.39 IN 18.87

02353000 FLINT RIVER AT NEWTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1968 to June 1979, May 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
05...	0800	3020	125	136	7.6	7.5	24.0	7.0	84
JAN									
18...	0800	9960	89	92	7.5	7.2	9.0	11.2	98
MAR									
28...	0900	12200	95	95	7.3	7.2	18.0	8.5	93
MAY									
17...	0930	5990	125	133	7.5	7.4	22.5	6.7	78
JUL									
18...	0800	3600	140	139	7.8	7.5	27.5	6.2	80
AUG									
22...	0800	4270	120	122	7.7	7.9	27.0	6.2	78

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF ACAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
05...	5.0	320	380	37	0	13	1.2	13	42	1	1.3
JAN											
18...	12	430	1000	32	2	11	.98	6.5	30	.5	1.1
MAR											
28...	12	90	720	32	0	11	1.0	5.9	28	.5	1.3
MAY											
17...	13	99	60	52	2	19	.99	4.6	16	.3	1.1
JUL											
18...	5.5	560	30	52	0	19	1.1	7.0	22	.4	1.2
AUG											
22...	3.5	K1200	73	50	2	18	1.1	5.0	18	.3	1.3

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT										
05...	38	1.8	13	9.1	<.10	9.3	92	83	750	.13
JAN										
18...	30	1.8	10	6.5	<.10	9.1	76	64	2040	.10
MAR										
28...	31	3.0	7.0	6.4	<.10	7.1	76	58	2500	.10
MAY										
17...	50	3.1	5.0	5.5	.10	8.0	89	75	1440	.12
JUL										
18...	52	1.6	9.9	6.4	<.10	8.2	93	84	904	.13
AUG										
22...	48	1.9	7.1	5.3	.10	9.5	87	77	1000	.12

02353000 FLINT RIVER AT NEWTON, GA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 05...	.55	.120	.30	—	.060	--
JAN 18...	.52	.160	.90	.060	.040	.040
MAR 28...	.40	.060	.30	.040	.030	.020
MAY 17...	.86	.240	2.7	.080	<.010	.020
JUL 18...	.48	<.010	1.3	.060	.050	.040
AUG 22...	.77	.160	.30	.050	.040	.030

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 05...	20	1	22	<.5	<1	<1	<3	1	340	2
JAN 18...	40	1	35	<.5	<1	<1	<3	1	400	4
MAY 17...	30	<1	26	<.5	<1	<1	<3	2	520	5
AUG 22...	20	1	27	<.5	<1	1	<3	2	440	2

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 05...	<4	4	.2	<10	1	<1	<1	29	<6	<3
JAN 18...	4	20	<.1	<10	2	<1	<1	22	<6	10
MAY 17...	6	16	<.1	<10	2	<1	<1	30	<6	41
AUG 22...	6	10	<.1	<10	1	<1	<1	31	<6	7

02353000 FLINT RIVER AT NEWTON, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
05...	0805	3020	24.0	10	82
07...	1150	2360	23.0	6	38
07...	1155	2360	23.0	7	45
DEC					
08...	1015	17200	14.0	37	1720
08...	1020	17200	14.0	34	1580
JAN					
09...	1405	8830	7.5	18	429
09...	1410	8830	7.5	15	358
18...	0805	9960	9.0	14	376
FEB					
29...	1355	14000	11.5	18	679
MAR					
28...	0905	12200	18.0	16	527
APR					
04...	1025	12000	17.0	16	518
04...	1030	12000	17.0	19	615
MAY					
17...	0935	5990	22.5	11	178
25...	1425	6860	25.0	14	259
25...	1430	6860	25.0	15	278
JUL					
06...	1255	4120	28.0	11	122
18...	0805	3600	27.5	14	136
AUG					
01...	1030	12100	25.5	20	656
01...	1035	12100	25.5	23	754
02...	1000	12900	26.0	25	869
02...	1310	13500	26.0	12	436
02...	1315	13500	26.0	19	690
03...	0935	16900	26.0	32	1460
03...	0940	16900	26.0	32	1460
04...	1340	17600	26.5	24	1140
04...	1345	17600	26.5	24	1140
05...	0835	18000	26.5	25	1210
05...	0840	18000	26.5	25	1210
06...	0925	15800	26.5	20	850
06...	0930	15800	26.5	18	765
10...	1110	10400	27.0	15	420
10...	1115	10400	27.0	15	420
22...	0805	4270	27.0	20	231
SEP					
12...	1030	3230	26.0	4	35
12...	1035	3230	26.0	5	44

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM
OCT						
05...	0805	3020	74	--	--	--
JAN						
18...	0805	9960	64	--	--	--
MAR						
28...	0905	12200	72	--	--	--
MAY						
17...	0935	5990	92	--	--	--
JUL						
18...	0805	3600	60	--	--	--
AUG						
02...	1000	12900	72	81	88	100
02...	1005	12900	76	--	--	--
06...	0925	15800	84	--	--	--
22...	0805	4270	53	--	--	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
AUG										
01...	1235	11900	<1	1	13	76	99	>99	100	--
01...	1236	11900	--	1	9	61	97	>99	100	--
01...	1237	11900	--	<1	4	44	90	97	99	100
01...	1238	11900	--	<1	<1	6	72	96	99	100

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'52", Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi upstream from Alligator Creek, and 5.5 mi upstream from Chickasawhatchee Creek.

DRAINAGE AREA.--620 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1905 to December 1907, October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Aug. 29, 1905, to Dec. 31, 1907, nonrecording gage at several sites within 450 ft of present site at various datums. Oct. 1, 1939, to Nov. 10, 1941, nonrecording gage at site 100 ft downstream at present datum.

REMARKS.--Records good, except those of no gage height record Jan. 2-9, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--47 years, 800 ft^3/s, 17.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft^3/s Jan. 27, 1978, gage height, 15.08 ft; minimum, 49 ft^3/s July 27, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft, from information by local resident, discharge, 15,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 27	1200	4130	7.63	Apr. 25	0100	7960	11.84
Mar. 8	1700	3750	7.13	May 5	2300	*10300	13.90

Minimum discharge, 239 ft^3/s Sept. 28-30, gage height, 1.03 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	363	333	1550	1910	1900	2390	986	1130	1780	1010	2110	347
2	361	326	1410	1700	1620	2120	931	992	1310	980	2350	319
3	353	321	1160	1550	1460	1700	943	887	860	888	2430	318
4	341	319	991	1400	1360	1350	1160	1390	673	773	2280	313
5	337	323	953	1250	1280	1200	1410	7680	594	756	2140	336
6	338	346	1630	1100	1220	1870	1520	8490	546	698	1780	396
7	337	388	2720	1000	1160	2650	1410	4040	511	589	1300	393
8	331	375	2760	930	1110	3580	1220	2260	481	517	950	342
9	324	374	2650	887	1060	3360	1150	1560	467	512	734	310
10	324	387	2430	877	1010	2610	1230	1200	449	504	633	287
11	357	364	2060	952	973	2020	1310	1090	431	512	573	283
12	394	373	2070	1010	957	1620	1280	955	412	546	553	272
13	406	363	2290	1040	1120	1410	1100	835	399	531	585	278
14	466	353	2700	1000	1510	1310	966	774	388	547	593	286
15	556	347	2770	950	1830	1250	930	754	402	549	606	297
16	650	353	2410	938	1970	1210	1100	728	392	529	580	27[illegible]
17	603	381	1900	952	1830	1140	1260	675	379	472	501	27[illegible]
18	519	418	1530	981	1520	1080	1020	628	358	499	485	283
19	437	411	1450	1210	1270	1020	842	600	347	730	554	272
20	401	414	1420	1500	1130	1020	807	582	336	950	572	263
21	386	533	1410	1710	1050	1220	821	560	325	1060	586	265
22	371	715	1380	1720	1010	1430	855	580	359	996	551	255
23	363	921	1310	1510	1010	1650	1480	660	412	851	537	255
24	363	1120	1210	1680	1050	1570	4720	751	462	712	622	253
25	361	1220	1120	2320	1050	1350	6750	780	594	685	665	249
26	360	1360	1050	3230	1010	1130	3450	832	714	645	663	247
27	356	1500	988	4050	1170	1110	2140	1080	821	694	545	250
28	350	1560	1050	3830	1710	1200	1410	1150	715	565	500	247
29	343	1460	1370	3220	2180	1250	1100	1550	591	597	430	240
30	334	1450	1580	2710	---	1240	1110	1700	913	1070	393	242
31	332	---	1860	2260	---	1100	---	1470	---	1650	372	---
TOTAL	12117	19128	53182	51377	38530	50160	46411	48363	17421	22617	28173	8649
MEAN	391	638	1716	1657	1329	1618	1547	1560	581	730	909	288
MAX	650	1560	2770	4050	2180	3580	6750	8490	1780	1650	2430	396
MIN	324	319	953	877	957	1020	807	560	325	472	372	240
CFSM	.63	1.03	2.77	2.67	2.14	2.61	2.50	2.52	.94	1.18	1.47	.47
IN.	.73	1.15	3.19	3.08	2.31	3.01	2.78	2.90	1.05	1.36	1.69	.52

CAL YR 1983 TOTAL 380898 MEAN 1044 MAX 5160 MIN 196 CFSM 1.68 IN 22.85
WTR YR 1984 TOTAL 396128 MEAN 1082 MAX 8490 MIN 240 CFSM 1.75 IN 23.77

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
APR									
03...	1330	940	73	69	7.2	7.2	15.5	8.6	87
JUL									
26...	1330	646	80	74	7.4	7.2	25.0	7.1	86

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
APR												
03...	65	15	32	2	11	.98	2.0	12	.2	.70	30	3.7
JUL												
26...	45	12	29	2	10	1.0	2.1	13	.2	.90	27	2.1

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
APR												
03...	.6	4.6	<.10	4.7	58	44	147	.08	.40	.43	<.010	<.010
JUL												
26...	1.0	4.2	<.10	6.9	62	43	108	.08	.60	.57	<.010	.030

DATE	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
APR											
03...	--	.80	.50	1.2	.93	.020	<.010	5.0	40	1	1
JUL											
26...	.37	.70	.40	1.3	--	.050	.030	4.5	20	1	<1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR											
03...	<1	<10	<1	850	3	1	63	.2	<.1	<1	10
JUL											
26...	2	<10	2	570	11	4	32	<.1	<.1	<1	26

02356000 FLINT RIVER AT BAINBRIDGE, GA.

LOCATION.--Lat 30°54'41", long 84°34'48", Decatur County, Hydrologic Unit 03130008, on downstream side of highway bridge on Business Route 27, 0.2 mi downstream from Seaboard Coast Line Railroad bridge, at mile 29.0, and 29.2 mi upstrem from Jim Woodruff Dam.

DRAINAGE AREA.--7,570 mi^2, approximately.

PERIOD OF RECORD.--Discharge: October 1907 to December 1913, October 1928 to September 1971. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to September 1973.

Annual peaks: Water years 1972-76, 1978-84.

Continuous gage-height record: August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.06 ft, National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913, nonrecording gage at same site at datum 0.3 ft higher. Oct. 1, 1928, to Jan. 14, 1929, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 6.4 mi upstream Jan. 15, 1957, to September 1971.

REMARKS.--Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft); and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--49 years (water years 1908-13, 1929-71), 8,740 ft^3/s, 15.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,200 ft^3/s Mar. 21, 1929, gage height, 37.73 ft; minimum daily discharge, 1,340 ft^3/s Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.9 ft, present datum, Jan. 24, 1925, discharge 101,000 ft^3/s, from rating curve extended above 70,000 ft^3/s on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,500 ft^3/s Mar. 9, gage height, 24.77 ft.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.14	18.53	20.32	20.47	22.27	21.51	21.21	19.79	21.22	19.18	20.33	19.36
2	18.86	18.57	20.36	20.49	21.82	21.72	20.95	19.94	20.73	19.10	20.53	19.20
3	18.76	18.63	20.29	20.76	21.17	21.35	20.66	20.08	20.04	19.22	21.15	18.68
4	18.81	18.72	20.23	20.98	21.07	21.13	21.13	20.36	19.48	19.11	21.73	18.68
5	19.08	18.65	20.11	20.58	20.89	21.07	21.17	21.22	19.75	19.18	21.93	18.77
6	19.17	18.24	20.27	20.38	20.32	21.76	21.18	22.50	19.72	19.32	21.78	18.98
7	19.21	17.87	20.53	20.29	20.18	22.85	21.20	22.75	19.69	19.41	21.48	19.23
8	19.03	17.91	21.50	19.58	20.31	24.00	20.83	22.13	19.61	19.15	21.25	19.42
9	18.73	18.10	21.65	19.27	20.37	24.65	20.69	21.21	19.63	18.91	20.97	19.34
10	18.44	18.27	21.58	19.74	20.31	24.45	20.58	20.86	19.15	18.94	20.64	19.24
11	18.57	18.35	21.78	19.81	20.13	23.57	20.63	20.94	18.65	19.03	20.26	19.14
12	18.78	18.28	22.04	20.03	20.17	22.91	20.58	20.72	18.45	19.14	19.76	19.10
13	19.19	17.87	21.90	19.65	20.11	22.33	20.45	20.04	18.61	19.23	19.28	19.24
14	19.24	17.44	21.95	19.88	20.35	21.83	20.52	19.75	18.90	19.25	19.49	19.40
15	19.26	17.44	22.07	20.31	20.45	21.24	20.27	19.62	19.16	18.97	19.64	19.40
16	18.95	17.56	21.89	20.26	20.75	20.98	20.26	19.69	19.36	18.70	19.61	19.00
17	18.66	17.61	21.47	20.38	21.00	20.63	20.45	19.61	19.05	18.71	19.74	18.59
18	18.94	17.80	21.49	20.37	21.24	20.60	20.19	19.70	18.70	18.85	19.76	18.80
19	19.05	17.91	21.69	20.37	21.22	20.34	20.07	19.75	18.89	19.07	19.69	18.99
20	19.15	17.84	21.29	20.35	21.20	20.32	20.09	19.38	18.90	19.63	19.73	19.17
21	19.26	17.98	20.69	20.56	21.27	20.79	20.03	19.06	18.96	19.81	19.65	19.32
22	19.29	18.24	20.59	20.52	21.07	20.70	19.94	19.20	19.12	19.51	19.67	19.45
23	19.03	18.44	20.23	20.35	20.85	20.64	20.06	19.38	19.16	19.35	19.63	19.13
24	18.67	19.01	20.19	20.81	20.56	20.71	20.88	19.39	18.87	19.48	19.65	18.85
25	18.77	19.48	19.91	21.32	20.39	20.73	21.19	19.67	18.62	19.57	19.80	18.80
26	18.90	19.90	19.72	22.13	20.02	20.44	21.22	19.93	18.78	19.59	19.46	18.88
27	18.95	19.80	19.74	22.83	19.95	20.46	21.18	19.75	18.92	19.53	18.98	18.84
28	19.02	19.83	19.76	23.25	20.61	20.97	20.99	19.91	19.07	19.60	18.88	18.84
29	19.[illegible]6	20.12	20.15	23.53	20.94	21.44	20.70	20.05	19.22	19.25	18.84	18.84
30	18.89	20.27	20.36	23.47	---	21.34	20.05	20.57	19.34	19.12	18.95	18.63
31	18.49	---	20.48	22.92	---	21.28	---	20.99	---	19.74	19.15	---
MEAN	18.95	18.49	20.85	20.83	20.72	21.57	20.65	20.26	19.26	19.25	20.05	19.04
MAX	19.29	20.27	22.07	23.53	22.27	24.65	21.22	22.75	21.22	19.81	21.93	19.45
MIN	18.44	17.44	15.72	19.27	19.95	20.32	19.94	19.06	18.45	18.70	18.84	18.59

CAL YR 1983 MEAN 20.12 MAX 24.45 MIN 17.44
WTR YR 1984 MEAN 19.99 MAX 24.65 MIN 17.44

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

LOCATION.—Lat 30°53'34", long 84°36'38", Decatur County, Hydrologic Unit 03130008, at Bainbridge, 0.8 mi downstream from State Docks, and at mile 26.5.
DRAINAGE AREA.—7,570 mi^2, approximately.
PERIOD OF RECORD.—July 1974 to current year.
REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH (STAND- ARD UNITS)	PH LAB (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TEMPER- ATURE, AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 19...	1030	151	149	7.7	7.7	22.0	28.0	8.5	98
NOV 16...	1020	159	165	7.7	8.0	17.0	13.5	8.9	93
DEC 20...	1125	80	72	7.3	7.3	11.0	15.5	10.4	94
JAN 18...	1045	104	98	7.4	7.7	9.0	17.0	11.6	101
FEB 22...	1100	107	102	7.4	7.4	14.5	13.5	10.0	100
MAR 27...	1250	114	109	7.5	7.6	18.5	20.0	8.5	93
APR 18...	1130	122	120	7.5	7.2	18.0	21.5	8.0	85
MAY 23...	1040	152	148	7.5	7.8	23.0	24.5	8.4	99
JUN 20...	0940	178	186	7.7	7.9	27.0	32.5	8.4	106
JUL 18...	0940	160	158	8.0	8.1	27.5	27.0	11.1	142
24...	0955	131	134	7.4	7.7	27.5	31.0	7.8	99
AUG 22...	0940	149	147	7.6	7.8	26.0	27.5	9.1	113
SEP 19...	0945	151	168	7.8	8.0	23.5	24.0	8.9	106

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 19...	25	5.0	7	.6	490	53	<1	.67	.080
NOV 16...	15	5.0	5	.5	90	58	3	.74	.130
DEC 20...	120	26	16	—	3300	27	<1	.29	.090
JAN 18...	35	10	10	.4	2800	33	2	.71	.320
FEB 22...	65	20	11	1.1	1300	34	8	.72	.350
MAR 27...	50	10	7	.5	490	40	4	.53	.140
APR 18...	40	13	16	1.2	190	45	6	.71	.280
MAY 23...	40	11	15	.8	1300	60	1	1.0	.200
JUN 20...	25	7.0	9	1.2	170	74	6	1.0	.080
JUL 18...	40	5.0	—	.6	—	65	9	.66	<.020
24...	30	10	—	.9	4900	48	13	.74	.240
AUG 22...	35	9.0	—	.6	13000	57	6	.93	.230
SEP 19...	5	4.0	—	1.4	140	66	7	.80	.060

02357000 SPRING CREEK NEAR IRON CITY, GA.

LOCATION.--Lat 31°02'23", long 84°44'18", Decatur County, Hydrologic Unit 03130010, on right bank 25 ft downstream from county bridge, 1.5 mi downstream from Aycock Creek, 1.5 mi upstream from Dry Creek, 5.0 mi north of Brinson, and 5.5 mi northeast of Iron City.

DRAINAGE AREA.--485 mi^2, approximately.

PERIOD OF RECORD.--October 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 85.7 ft, National Geodetic Vertical Datum of 1929. Oct. 21, 1920, to June 30, 1921, nonrecording gage at site 125 ft upstream at different datum, June 11, 1937, to Oct. 17, 1952, nonrecording gage at site 125 ft upstream at present datum, Oct. 18, 1952, to April 1971, recording gage at same site and datum as present, May 1971 to Dec. 1976, nonrecording gage at same site and datum as present.

REMARKS.--Records good except those of no gage-height record Oct. 24 to Nov. 17, Dec. 19-28, which are poor. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

AVERAGE DISCHARGE.--36 years (1937-70, 1978, 1983-84), 503 ft^3/s, 14.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,700 ft^3/s Apr. 12, 1975, gage height, 19.43 ft; maximum gage height 19.9 ft Apr. 2, 1948; minimum discharge, 9.1 ft^3/s Oct. 30 to Nov. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 5.3 ft^3/s was measured on July 13, 1981. The effect of irrigation on this measurement is unknown.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 9	1500	4080	14.37	Mar. 8	0300	*6860	16.16
Jan. 28	1700	5580	15.71	Mar. 29	0600	2150	11.89
Feb. 16	2400	2100	11.77	Apr. 10	1600	3700	14.00
Mar. 2	0800	2020	11.55				

Minimum discharge, 85 ft^3/s June 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	130	795	1560	2380	1790	1150	592	348	94	500	204
2	197	128	748	1580	1920	1990	992	554	296	107	660	191
3	185	126	813	1410	1640	1700	955	523	248	118	817	183
4	171	125	796	1210	1500	1300	1240	493	217	126	1050	183
5	162	122	702	1060	1370	1180	1650	469	196	136	1120	199
6	152	120	780	973	1260	2270	1940	449	175	140	1200	209
7	137	118	1250	901	1170	5300	1950	504	164	163	1130	188
8	138	120	2120	843	1090	6540	1740	751	153	179	871	175
9	146	124	3870	798	1010	5260	2060	693	142	165	642	167
10	153	134	3340	770	947	3890	3470	518	135	143	522	161
11	155	138	2410	760	892	2770	3260	442	128	126	456	155
12	168	136	2140	745	858	2080	2650	402	123	120	410	151
13	200	134	2280	738	1020	1720	2210	366	115	151	385	147
14	227	134	2640	733	1190	1470	1810	336	110	191	375	143
15	214	130	2960	728	1470	1310	1430	309	110	149	357	140
16	214	120	2730	715	1960	1200	1190	289	110	136	330	136
17	217	108	2150	704	2050	1100	1030	276	107	131	298	136
18	214	109	1800	706	1720	1030	940	269	103	134	270	132
19	196	109	1580	865	1360	964	997	261	100	146	273	128
20	179	122	1400	1060	1150	921	990	248	91	171	273	124
21	167	165	1290	1230	1030	947	847	241	87	216	294	120
22	157	161	1270	1310	972	982	777	236	87	265	252	116
23	153	185	1220	1370	965	1050	768	236	88	302	239	112
24	150	293	1190	1370	914	1190	759	239	91	254	316	107
25	148	490	1100	1490	869	1190	776	240	97	203	290	104
26	145	531	1010	2160	828	1040	930	237	98	190	300	102
27	142	535	960	3660	989	1120	1200	257	95	201	290	99
28	140	642	880	5320	1280	1830	990	303	91	186	287	97
29	138	851	918	4850	1470	2100	766	294	88	185	261	95
30	135	885	1110	3880	---	1770	658	407	89	260	232	94
31	132	---	1370	3030	---	1380	---	409	---	372	217	---
TOTAL	5245	7205	49622	48549	37274	60384	42125	11841	4082	5460	14917	4298
MEAN	169	240	1601	1566	1285	1948	1404	382	136	176	481	143
MAX	227	885	3870	5320	2380	6540	3470	751	348	372	1200	209
MIN	132	108	702	704	828	921	658	236	87	94	217	94
CFSM	.35	.50	3.30	3.23	2.65	4.02	2.90	.79	.28	.36	.99	.30
IN.	.40	.55	3.81	3.72	2.86	4.63	3.23	.91	.31	.42	1.14	.33

CAL YR 1983 TOTAL 338527 MEAN 927 MAX 7240 MIN 94 CFSM 1.91 IN 25.97
WTR YR 1984 TOTAL 291002 MEAN 795 MAX 6540 MIN 87 CFSM 1.64 IN 22.32

LAKES IN APALACHICOLA RIVER BASIN

02334400 **LAKE SIDNEY LANIER.**--Lat 34°04'30", long 84°04'20", Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 mi upstream from bridge on State Highway 20, 4.5 mi northwest of Buford, Ga., and at mile 348.3. DRAINAGE AREA, 1,040 mi^2, approximately. PERIOD OF RECORD, January 1956 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Lake is formed by a rolled-fill earth dam; storage began in January 1956; dam completed in June 1957. Usable capacity, 1,686,000 acre-ft between elevations 1,035 and 1,085 ft. Dead storage, 868,000 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,205,200 acre-ft Apr. 14, 1964, elevation, 1,077.20 ft; minimum, after beginning operation, 1,329,300 acre-ft Dec. 23, 24, 1981, elevation, 1,052.66 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,046,400 acre-ft Mar. 8, elevation, 1,073.32 ft; minimum, 1,662,000 acre-ft Nov. 19, elevation, 1,062.97 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	1065.22	1741200	-	-
Oct. 31................	1064.11	1701800	-39200	-638
Nov. 30................	1064.75	1724200	+22400	+376
Dec. 31................	1070.67	1942500	+218300	+3550
CAL YR 1983	-	-	+10400	+14
Jan. 31................	1070.58	1939000	-3500	-57
Feb. 29................	1071.08	1958300	+19300	+336
Mar. 31................	1071.27	1965700	+7400	+120
Apr. 30................	1071.98	1993400	+27700	+466
May 31................	1071.80	1986400	-7000	-114
June 30................	1071.39	1970400	-16000	-269
July 31................	1072.88	2028800	+58400	+950
Aug. 31................	1070.79	1947000	-81800	-1330
Sept. 30................	1068.46	1859200	-87800	-1480
WTR YR 1984	-	-	+118200	+163

02339400 **WEST POINT LAKE.**--Lat 32°55'05", long 85°11'17", Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi upstream from Oseligee Creek, 3.0 mi north of West Point, Ga., 3.2 mi upstream from bridge on U.S. Highway 2[illegible], and at mile 201.4. DRAINAGE AREA, 3,440 mi^2, approximately. PERIOD OF RECORD, October 1974 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Lake is formed by concrete gravity dam with earth dikes at either side. Spillway, crest elevation, 597 ft is equipped with six taintor gates 50 ft wide by 41 ft high. Storage began Oct. 16, 1974, and lake reached maximum power pool, 635 ft on June 10, 1975. Total capacity at elevation, 641 ft; maximum flood control pool, 774,800 acre-ft. Capacity at elevation, 635 ft, maximum power pool, 604,500 acre-ft. Dead storage below elevation 620 ft, minimum power pool, 298,400 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 690,700 acre-ft April 16, 1979, elevation, 638.17 ft; minimum, since first filling, 313,900 acre-ft, Nov. 24, 1981, elevation, 620.98 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 665,700 acre-ft Aug. 1, elevation, 637.28 ft; minimum, 393,500 acre-ft Nov. 11, elevation, 625.53 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	631.69	523300	-	-
Oct. 31................	628.50	452800	-70500	-1150
Nov. 30................	634.29	586400	+133600	+2250
Dec. 31................	630.99	507100	-79300	-1290
CAL YR 1983	-	-	-41900	-58
Jan. 31................	627.93	440900	-66200	-1080
Feb. 29................	631.60	521200	+80300	+1400
Mar. 31................	631.38	516100	-5100	-83
Apr. 30................	634.84	600500	+84400	+1420
May 31................	636.69	649500	+49000	+797
June 30................	634.63	595100	-54400	-914
July 31................	637.11	661000	+65900	+1070
Aug. 31................	633.68	571200	-89800	-1460
Sept. 30................	628.28	448200	-123000	-2070
WTR YR 1984	-	-	-75300	-104

LAKES IN APALACHICOLA RIVER BASIN—Continued

02341000 LAKE HARDING.--Lat 32°39'46", long 85°05'27", Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 mi upstream from Mulberry Creek, 15 mi northwest of Columbus, Ga., and at mile 178.0. DRAINAGE AREA, 4,240 mi^2, approximately. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway, crest elevation, 500.0 ft is equipped with 19 taintor gates 25 ft wide by 21 ft high and two trash gages 11 ft wide by 9 ft high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft, top of gates, is 181,000 acre-ft, of which 136,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and month-end elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	520.7	179000	-	-
Oct. 31................	520.6	179000	0	0
Nov. 30................	519.9	174000	-5000	-84
Dec. 31................	520.2	176000	+2000	+33
CAL YR 1983	-	-	+60000	+83
Jan. 31................	520.0	175000	-1000	-16
Feb. 29................	520.4	177000	+2000	+35
Mar. 31................	520.1	176000	-1000	-16
Apr. 30................	519.7	173000	-3000	-50
May 31................	520.3	177000	+4000	+65
June 30................	520.2	176000	-1000	-17
July 31................	521.0	181000	+5000	+81
Aug. 31................	513.8	141000	-4000	-651
Sept. 30................	489.8	57500	-83500	-1400
WTR YR 1984	-	-	-121500	-167

† Elevation at 0700 on day following that shown in first column.

02343240 WALTER F. GEORGE LAKE.--Lat 31°37'27", long 85°04'03", Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 mi upstream from bridge on State Highway 37, 1 mi north of Ft. Gaines, Ga., and at mile 75.0. DRAINAGE AREA, 7,460 mi^2, approximately. PERIOD OF RECORD, May 1962 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The non-overflow section at the dam includes a powerhouse. Filling began in May 1962. Power operations commenced on Mar. 13, 1963. The spillway crest elevation, 163.0 ft, is equipped with 14 taintor gates 42 ft wide by 29 ft high. Total capacity at elevation 190.0 ft, full summer pool, 934,400 acre-ft, of which 244,400 acre-ft between elevations 190.0 and 184.0 ft, minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 993,700 acre-ft May 20, 1969, elevation, 191.28 ft; minimum, after first filling, 660,400 acre-ft Apr. 23, 1965, elevation, 183.17 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 949,400 acre-ft Mar. 26, elevation, 190.33 ft; minimum, 771,800 acre-ft Nov. 19, elevation, 186.16 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	188.60	872600	-	-
Oct. 31................	186.78	796600	-76000	-1240
Nov. 30................	189.56	913800	+117200	+1970
Dec. 31................	189.00	890000	-23800	-387
CAL YR 1983	-	-	+59700	+82
Jan. 31................	188.80	881200	-8800	-143
Feb. 29................	189.20	898000	+16800	+292
Mar. 31................	188.90	925400	+27400	+446
Apr. 30................	189.55	914200	-11200	-188
May 31................	188.82	882100	-32100	-522
June 30................	188.70	876900	-5200	-87
July 31................	189.44	909400	+32500	+529
Aug. 31................	189.12	895300	-14100	-229
Sept. 30................	189.24	900600	+5300	+89
WTR YR 1984	-	-	+28000	+39

LAKES IN APALACHICOLA RIVER BASIN--Continued

02337500 **LAKE SEMINOLE.**--Lat 30°42'33", long 84°51'45", Gadsden County, Fla., Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 mi upstream from bridge on U.S. Highway 90, and 1.5 mi northwest of Chattahoochee, Fla. **DRAINAGE AREA**, 17,100 mi^2, approximately. **PERIOD OF RECORD**, October 1954 to current year. Prior to October 1959, published as Jim Woodruff Reservoir at Chattahoochee. **REVISIONS, WSP 1554**: 1955-57. **GAGE**, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 22, 1957, nonrecording gage at same site at datum 53.95 ft higher; gage readings have been reduced to elevations above mean sea level.

Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft long and 30.5 ft high, and a side channel navigation lock 82 ft wide. Gates closed on May 20, 1954; filling of pool accomplished in several stages between that date and Feb. 4, 1957, when the pool first reached normal operating level, 77.0 ft. Total capacity at elevation 77.0 ft, normal pool, is 367,300 acre-ft, of which 36,170 acre-ft between elevations 77.0 and 76.0 ft is used for pondage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 433,000 acre-ft Apr. 7, 8, 1960, elevation, 78.66 ft; minimum after Feb. 4, 1957, 272,100 acre-ft Nov. 27, 1978, elevation 74.18.

EXTREMES FOR CURRENT YEAR: Maximum contents 403,000 acre-ft Apr. 8, elevation, 77.92 ft; minimum, 311,700 acre-ft Nov. 15, elevation 75.43.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.................	77.30	379000	-	-
Oct. 31.................	76.89	362100	-16900	-275
Nov. 30.................	77.60	390300	+28200	+474
Dec. 31.................	77.59	389900	-400	-7
CAL YR 1983	-	-	+3500	+5
Jan. 31.................	77.62	391100	+1200	+20
Feb. 29.................	77.30	378700	-12400	-216
Mar. 31.................	77.70	394200	+15500	+252
Apr. 30.................	77.36	381000	-13200	-222
May 31.................	77.66	392700	+11700	+190
June 30.................	77.24	376400	-16300	-274
July 31.................	77.14	372600	-3800	-62
Aug. 31.................	76.96	365800	-6800	-111
Sept. 30.................	76.64	354000	-11800	-198
WTR YR 1984	-	-	-25000	-34

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 mi downstream from State Highway 5, 2 mi southwest of Ellijay, and 2.2 mi downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--236 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to December 1949, occasional low-flow measurements 1959, 1961-62. June 1963 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft, National Geodetic Vertical Datum of 1929. Prior to June 10, 1940, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--32 years (1938-49, 1963-84), 528 ft^3/s, 30.38 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft^3/s Oct. 4, 1964, gage height, 17.63 ft; minimum, 101 ft^3/s several days in October 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft Mar. 19, 1951, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 28	1115	4410	6.23	May 8	0430	5400	7.28
Mar. 20	1945	*7330	9.31				

Minimum discharge, 183 ft^3/s Nov. 12, 14, gage height, 1.34 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	192	494	652	547	917	1040	944	612	447	975	288
2	196	191	434	604	532	845	955	1000	590	422	870	280
3	190	190	1460	572	547	784	1130	2620	572	414	684	282
4	190	227	2690	546	547	735	1510	1980	557	410	573	299
5	232	229	1290	542	520	846	1410	1350	543	530	518	275
6	224	204	2000	517	505	847	1160	1130	527	596	467	262
7	200	195	1270	497	481	765	1030	1090	521	745	434	255
8	193	193	903	474	470	715	971	3670	507	569	432	248
9	189	191	731	458	468	679	1020	2290	495	440	424	244
10	186	194	629	721	479	659	994	1620	485	401	428	240
11	194	196	1230	828	512	646	923	1300	486	385	460	236
12	204	189	1490	622	480	630	877	1130	517	396	490	236
13	485	186	965	562	753	614	846	1020	489	380	480	232
14	344	186	822	532	1110	596	828	989	577	505	438	229
15	249	936	701	514	777	572	809	913	519	393	387	229
16	223	488	617	503	662	658	790	864	485	365	369	225
17	209	321	568	492	607	679	806	824	461	364	371	221
18	204	269	535	760	571	744	787	795	442	489	347	218
19	202	248	511	749	556	753	776	773	433	391	337	214
20	198	575	493	624	563	2470	877	755	447	354	327	210
21	194	549	468	570	528	3010	893	784	658	339	323	207
22	194	377	574	535	551	1770	837	831	548	389	313	203
23	291	417	524	521	1090	1260	784	803	508	467	307	202
24	274	2190	472	1320	931	1070	740	730	496	363	294	200
25	229	875	458	1110	775	956	717	690	464	416	287	203
26	214	551	435	851	679	839	690	783	425	381	281	203
27	203	586	461	749	1280	815	733	722	415	556	356	200
28	198	1460	2550	684	1390	1780	788	691	406	542	351	203
29	196	899	1500	648	1100	2390	787	813	466	693	367	218
30	195	604	945	608	---	1470	891	675	531	1780	336	225
31	190	---	734	573	---	1170	---	636	---	1580	310	---
TOTAL	6890	14108	28954	19938	20011	32684	27399	35215	15182	16502	13336	6987
MEAN	222	470	934	643	690	1054	913	1136	506	532	430	233
MAX	485	2190	2690	1320	1390	3010	1510	3670	658	1780	975	299
MIN	186	186	434	458	468	572	690	636	406	339	281	200
CFSM	.94	1.99	3.96	2.73	2.92	4.47	3.87	4.81	2.14	2.25	1.82	.99
IN.	1.09	2.22	4.56	3.14	3.15	5.15	4.32	5.55	2.39	2.60	2.10	1.10

CAL YR 1983 TOTAL 208240 MEAN 571 MAX 2690 MIN 175 CFSM 2.42 IN 32.82
WTR YR 1984 TOTAL 237206 MEAN 648 MAX 3670 MIN 186 CFSM 2.75 IN 37.39

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to March 1972, December 1977 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 05...	0900	214	17.5	21	12
NOV 09...	1015	190	10.5	6	3.1
DEC 21...	0950	466	6.5	7	8.8
FEB 01...	1020	544	--	8	12
MAR 14...	1010	588	8.0	10	16
APR 25...	0930	717	12.0	17	33
JUN 08...	0910	508	19.5	16	22
JUL 18...	0830	531	21.0	42	60
AUG 30...	0810	342	20.0	20	18

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'13", long 34°28'08", Gilmer County, Hydrologic Unit 03150102, on right bank 25 ft upstream from culvert on county road, 3.6 mi upstream from mouth, and 4.5 mi northeast of Talking Rock.
DRAINAGE AREA.--9.99 mi^2.
PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 1,320 ft, from topographic map.
REMARKS.--Records good, except those of no gage-height record, Dec. 8-21 and Sept. 1-30 which are fair.
AVERAGE DISCHARGE.--10 years, 20.2 ft^3/s, 27.46 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,160 ft^3/s May 29, 1973, gage height, 16.96 ft, from floodmarks; minimum daily discharge, 2.9 ft^3/s Oct. 9, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 20	1600	*1740	10.15	May 8	0100	668	5.73
May 3	0800	322	3.77				

Minimum daily discharge, 5.9 ft^3/s Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.2	14	22	17	35	40	37	22	14	28	9.2
2	6.6	6.2	13	21	17	32	38	54	22	13	23	9.1
3	6.5	6.4	88	20	18	30	50	165	21	13	19	9.6
4	6.8	9.4	106	19	18	28	62	83	21	13	16	11
5	7.2	7.4	36	19	17	31	51	52	20	14	14	10
6	6.5	6.8	114	18	16	29	44	45	19	15	13	9.4
7	6.1	6.6	40	18	17	27	40	58	19	24	13	9.0
8	5.9	6.6	25	17	16	26	38	205	19	16	13	8.5
9	6.0	6.5	21	16	16	24	39	71	19	13	12	8.0
10	6.0	6.7	18	32	17	23	36	52	18	12	12	7.8
11	6.3	6.6	80	29	17	23	34	44	17	12	12	8.2
12	6.7	6.3	40	23	16	22	33	40	17	11	12	8.2
13	17	6.5	30	21	31	22	32	36	18	11	13	8.0
14	7.9	6.8	25	20	43	21	31	33	17	43	12	7.6
15	7.0	27	20	19	28	20	30	31	16	15	11	7.4
16	6.6	11	18	19	24	26	30	30	15	14	11	7.4
17	6.5	9.1	16	18	22	33	32	28	14	16	11	7.0
18	6.3	8.3	15	35	20	28	30	27	14	23	10	6.8
19	6.2	8.0	14	32	20	26	33	26	13	15	9.9	6.8
20	6.2	33	13	25	20	296	37	26	13	13	9.7	7.0
21	6.2	17	13	23	19	110	33	32	25	13	9.5	6.8
22	6.2	12	20	21	22	54	30	31	23	22	9.2	6.7
23	11	24	16	20	40	44	28	28	19	16	9.2	6.6
24	7.8	89	15	58	34	42	25	25	21	13	8.7	6.4
25	6.9	24	14	42	29	40	23	25	16	13	8.7	6.3
26	6.6	16	13	31	26	36	23	31	14	13	8.5	6.2
27	6.6	17	15	26	59	36	25	26	14	18	15	6.2
28	6.6	50	145	23	56	139	28	30	13	19	11	6.3
29	6.6	23	55	21	44	90	26	40	16	16	11	6.6
30	6.4	17	31	20	---	54	46	26	15	62	9.7	7.5
31	6.2	---	25	18	---	44	---	24	---	36	9.5	---
TOTAL	218.4	480.4	1108	746	739	1491	1047	1461	530	561	384.6	231.6
MEAN	7.05	16.0	35.7	24.1	25.5	48.1	34.9	47.1	17.7	18.1	12.4	7.72
MAX	17	89	145	58	59	296	62	205	25	62	28	11
MIN	5.9	6.2	13	16	16	20	23	24	13	11	8.5	6.2
CFSM	.71	1.60	3.57	2.41	2.55	4.82	3.49	4.72	1.77	1.81	1.24	.77
IN.	.81	1.79	4.13	2.78	2.75	5.55	3.90	5.44	1.97	2.09	1.43	.86

CAL YR 1983 TOTAL 7610.1 MEAN 20.8 MAX 145 MIN 4.6 CFSM 2.08 IN 28.34
WTR YR 1984 TOTAL 8998.0 MEAN 24.6 MAX 296 MIN 5.9 CFSM 2.46 IN 33.50

02382200 TALKING ROCK CREEK NEAR HINTON, GA.

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, Hydrologic Unit 03150102, on left bank 300 ft downstream from Scarcorn Creek, and 3.3 mi northwest of Hinton.

DRAINAGE AREA.--119 mi^2.

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft, from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 217 ft^3/s, 24.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft^3/s Mar. 4, 1979, gage height, 14.18 ft; minimum, 23 ft^3/s. Sept. 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft, from floodmarks; discharge, 18,400 ft^3/s from rating curve extended above 3,100 ft^3/s on basis of slope-area measurements at gage heights 8.66 and 15.45 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft^3/s, revised, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 28	1000	3460	7.01	May 3	0930	2830	6.29
Mar. 20	2045	*3570	7.14	May 8	0330	3460	7.02

Minimum discharge, 56 ft^3/s Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	69	172	233	191	361	349	399	196	172	517	115
2	64	68	153	210	186	317	317	479	187	157	460	108
3	62	68	1230	200	196	285	438	1790	181	154	341	109
4	62	123	1460	190	198	265	522	1030	177	149	263	120
5	72	97	490	191	188	301	473	554	173	247	226	109
6	68	82	1230	181	182	292	386	449	170	329	217	102
7	61	78	517	173	175	260	336	391	171	433	201	98
8	59	76	329	166	172	244	311	1810	167	238	191	92
9	58	74	251	163	171	234	331	769	161	170	178	90
10	57	74	215	359	176	229	308	515	156	153	169	89
11	62	75	836	382	181	223	291	412	156	144	168	90
12	67	72	678	261	174	216	277	355	160	148	199	90
13	215	71	398	224	332	215	269	323	167	138	175	86
14	117	73	314	204	512	210	264	303	163	263	160	84
15	84	270	257	195	326	204	258	278	154	163	144	84
16	75	151	219	189	262	258	255	260	151	171	137	82
17	70	111	198	180	233	387	260	250	143	166	139	79
18	69	96	185	340	216	344	253	240	140	495	129	77
19	68	89	177	353	209	293	268	234	135	200	126	78
20	68	341	170	266	210	1250	363	230	130	157	122	79
21	67	238	161	230	194	1160	317	260	159	148	119	77
22	67	147	214	208	209	597	306	296	210	201	116	75
23	96	206	190	200	370	425	304	278	203	241	114	72
24	90	1290	168	602	320	322	273	247	203	170	108	72
25	78	352	160	485	273	309	249	230	157	159	108	74
26	75	211	150	346	240	277	239	250	136	162	105	70
27	71	186	225	291	718	268	266	257	130	330	221	69
28	69	655	1610	254	637	1050	295	233	128	333	204	69
29	69	313	630	233	455	974	307	506	362	238	203	71
30	67	206	358	216	---	522	391	260	228	1190	150	77
31	66	---	264	202	---	407	---	214	---	779	128	---
TOTAL	2338	5962	13609	7927	7906	12699	9476	14100	5154	8198	5838	2587
MEAN	75.4	199	439	256	273	410	316	455	172	264	188	86.2
MAX	215	1290	1610	602	718	1250	522	1810	362	1190	517	120
MIN	57	68	150	163	171	204	239	212	128	138	105	69
CFSM	.63	1.67	3.69	2.15	2.29	3.45	2.66	3.82	1.45	2.22	1.58	.72
IN.	.73	1.86	4.25	2.48	2.47	3.97	2.96	4.41	1.61	2.56	1.82	.81

CAL YR 1983 TOTAL 84533 MEAN 232 MAX 1840 MIN 50 CFSM 1.95 IN 26.43
WTR YR 1984 TOTAL 95794 MEAN 262 MAX 1810 MIN 57 CFSM 2.20 IN 29.95

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

LOCATION.--Lat 34°36'13", long 84°41'44", Murray County, Hydrologic Unit 03150102, on downstream side of left bank pier of bridge on U.S. Highway 411 at Carters, 200 ft upstream from Louisville & Nashville Railroad bridge, 0.4 mi downstream from Carters re-regulation dam, and 0.6 mi downstream from Talking Rock Creek.

DRAINAGE AREA.--521 mi^2.

PERIOD OF RECORD.--August 1896 to December 1908, October 1918 to September 1923, October 1961 to August 1972, October 1974 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft, National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.4 mi upstream at datum 2.00 ft higher.

REMARKS.--Records good. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--37 years (1896-1908, 1918-23, 1961-71, 1974-84), 1,235 ft^3/s, 32.19 in/yr, adjusted for storage since 1975.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 28,500 ft^3/s Nov. 19, 1906, gage height, 30.6 ft, present datum; minimum daily, 122 ft^3/s, regulated Nov. 15, 1974; minimum discharge observed prior to regulation, 184 ft^3/s several days during September to November 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29 or 30, 1951, reached a stage of about 36 ft, from floodmarks; discharge, 57,000 ft^3/s, from rating curve extended above 24,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,320 ft^3/s May 14, gage height, 13.58 ft; minimum daily, 302 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	322	389	1790	1900	1130	2560	3280	1350	1370	778	1130	788
2	310	410	1680	1850	1060	2450	2780	1560	1330	1020	1670	756
3	302	406	1740	1890	851	1650	2330	1800	1290	1280	2230	762
4	340	402	963	1940	822	1280	2310	2180	1310	1400	2610	748
5	326	394	2300	1940	817	1280	2390	2440	1310	1320	2490	728
6	322	353	2250	1550	929	1420	2200	2390	1330	1140	2560	747
7	320	359	1790	1260	1020	1710	1850	2500	1340	871	2600	652
8	340	375	1740	1150	1050	2030	1690	2200	1360	814	1840	563
9	335	386	2200	1150	1040	1950	1930	2370	1010	967	1100	523
10	342	404	2470	1220	958	1410	2570	2540	837	1060	981	578
11	348	396	2400	1350	781	1220	2330	2900	800	1030	847	593
12	412	369	2450	1590	731	1290	2030	3940	966	1060	775	489
13	576	357	2840	1620	970	1340	1850	3850	1190	921	965	1840
14	682	394	3150	1650	1320	1320	1370	4160	1180	749	1320	2010
15	707	345	3050	1440	1880	1280	1210	4390	1040	705	1400	791
16	728	610	2990	1300	2060	1220	1310	3370	931	817	1260	425
17	771	705	2020	1350	2000	784	1440	2540	848	1030	921	434
18	767	751	1880	1360	1680	830	1420	2070	841	1240	746	442
19	684	756	1910	1460	1600	1360	1420	1790	894	1440	683	454
20	520	700	1740	1290	1540	2030	1410	1520	912	1260	787	424
21	428	908	1460	1250	1610	2210	981	1630	889	1070	882	471
22	381	1130	1140	1280	1680	2980	990	1710	812	1010	901	501
23	347	1310	897	1250	1700	3390	1160	1610	791	1080	922	457
24	383	1890	825	1460	1690	3340	1970	1570	778	1110	757	469
25	384	2100	2350	1820	1510	3290	2090	1580	906	948	617	481
26	374	1970	1590	2010	1340	2670	1910	1530	1090	831	612	471
27	387	2050	807	2000	1310	3000	1630	1370	1010	882	596	496
28	395	2380	1260	2030	1740	3140	1510	1380	1030	914	777	502
29	397	2750	1650	1930	2590	2960	1390	1480	1010	841	946	495
30	377	2600	1960	2080	---	3100	1370	1560	789	929	954	468
31	353	---	1990	1710	---	3470	---	1450	---	884	905	---
TOTAL	13660	28349	59282	49080	39409	63964	54121	68730	31174	31401	37785	19558
MEAN	441	945	1912	1583	1359	2063	1804	2217	1039	1013	1219	652
MAX	771	2750	3150	2080	2590	3470	3280	4390	1370	1440	2610	2010
MIN	302	345	807	1150	731	784	981	1350	778	705	596	424
MEAN†	436	997	1980	1385	1469	2112	1816	2279	1047	1258	788	647
CFSM†	.84	1.91	3.80	2.66	2.82	4.05	3.49	4.37	2.01	2.41	1.51	1.24
IN†	.96	2.14	4.38	3.06	3.04	4.67	3.89	5.04	2.24	2.78	1.74	1.38

CAL YR 1983 TOTAL 429977 MEAN 1178 MAX 4100 MIN 302 MEAN† 1183 CFSM† 2.27 IN† 30.82
WTR YR 1984 TOTAL 496513 MEAN 1357 MAX 4390 MIN 302 MEAN† 1354 CFSM† 2.60 IN† 35.38

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.

LOCATION.--Lat 34°33'51", long 84°49'59", Gordon County, Hydrologic Unit 03150102, on right bank at downstream side of highway bridge, 1.4 mi downstream from Sallacoa Creek, 8.7 mi upstream from confluence with Conasauga River, and 2.4 mi east of Pine Chapel.

DRAINAGE AREA.--531 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, Ga. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 616.16 ft National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 mi downstream. Prior to Feb. 23, 1940, nonrecording gage at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975, water-stage recorder at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975 auxiliary water-stage recorder at current gage site. April 9, 1975, to Sept. 30, 1976, water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.--Records good. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.

AVERAGE DISCHARGE.--46 years, 1,517 ft³/s, 24.79 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,200 ft³/s Mar. 30, 1951, gage height, 34.2 ft at current base gage, 30.8 ft at current auxiliary gage; minimum daily, 188 ft³/s Sept. 11, 1976, minimum unregulated daily discharge, 220 ft³/s Oct. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 ft from gage reading at current auxiliary gage, discharge 34,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,250 ft³/s Dec. 4, maximum gage height, 22.39 ft Dec. 4; minimum daily discharge, 383 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	426	467	2650	2870	1740	3710	4260	2220	1700	1100	2990	1040
2	412	516	2150	2570	1610	3460	3730	2270	1640	1090	2820	973
3	383	520	4070	2500	1370	2740	3510	4630	1600	1440	2990	960
4	408	551	7800	2530	1320	1990	4100	5410	1550	1600	3340	995
5	426	595	6140	2530	1250	1980	3990	4670	1580	1560	3120	928
6	428	523	4950	2470	1290	2230	3390	3450	1570	1530	2990	940
7	422	474	5120	1830	1410	2210	2780	3340	1580	1420	3060	911
8	433	498	3200	1680	1430	2680	2530	6050	1580	1250	2560	751
9	432	505	3050	1550	1440	2590	2390	5210	1400	1110	1590	703
10	442	518	3260	2300	1440	2110	3330	4030	1070	1270	1290	718
11	433	530	3620	3950	1260	1730	3230	3620	965	1200	1130	760
12	444	519	4960	2970	1160	1680	2710	4460	1050	1240	1040	723
13	823	492	4520	2490	2740	1780	2550	4280	1320	1190	1090	1250
14	963	491	4120	2380	4610	1760	1980	4280	1390	961	1520	2790
15	948	1120	3920	2210	3510	1700	1720	4690	1340	955	1620	1210
16	905	868	3670	1910	3180	1730	1690	4060	1130	898	1610	616
17	929	976	2950	1870	3000	1510	1850	3260	1070	1170	1240	547
18	986	983	2430	2650	2480	1800	1860	2640	953	1610	949	540
19	917	1030	2370	3250	2200	1730	1820	2340	1070	1810	886	549
20	738	1350	2360	2510	2180	3060	2080	1980	1070	1610	877	527
21	591	1610	2000	2100	2100	5820	1810	1880	1070	1300	1040	560
22	486	1490	1840	1950	2240	5190	1560	2190	981	1250	1060	615
23	481	1710	1620	1880	3330	4560	1630	1980	959	1440	1090	580
24	484	4670	1310	3260	2900	4110	2240	1930	987	1350	1030	547
25	510	4620	1740	4290	2530	4040	2660	1860	1010	1250	747	578
26	493	2920	2950	3670	2070	3490	2480	2170	1260	1050	757	574
27	493	2830	1670	3140	3100	3600	2120	2130	1180	1240	1910	585
28	499	4530	4370	2960	3910	4410	2480	1730	1190	2330	1370	594
29	507	4630	6550	2740	4110	6190	2760	2240	1320	1730	1280	604
30	496	3740	3740	2700	---	5340	2230	2030	1490	2850	1370	568
31	465	---	3020	2600	---	4560	---	1890	---	4240	1230	---
TOTAL	17803	46276	108120	80310	66910	95490	77470	98920	38075	46044	51596	24236
MEAN	574	1543	3488	2591	2307	3080	2582	3191	1269	1485	1664	808
MAX	986	4670	7800	4290	4610	6190	4260	6050	1700	4240	3340	2790
MIN	383	467	1310	1550	1160	1510	1560	1730	953	898	747	527

CAL YR 1983 TOTAL 661698 MEAN 1813 MAX 7800 MIN 383 MEAN† 1818 CFSM† 2.19 IN† 29.70
WTR YR 1984 TOTAL 751250 MEAN 2053 MAX 7800 MIN 383 MEAN† 2050 CFSM† 2.47 IN† 33.58

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02383540 COOSAWATTEE RIVER NEAR CALHOUN, GA.

LOCATION.--Lat 34°32'28", long 84°54'03", Gordon County, Hydrologic Unit 03150102, at bridge on State Highway 225, 0.2 mi upstream from confluence with Conasauga River, and 4.0 mi northeast of Calhoun.

DRAINAGE AREA.--861 mi^2, revised.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir. (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400.) Discharge obtained from gaging station 02383500, Coosawattee River near Pine Chapel, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
26...	1030	510	70	75	7.6	7.5	16.0	9.0	9.0	93
NOV										
30...	1100	3790	52	55	7.2	7.3	11.0	5.0	10.1	93
DEC										
28...	0900	2510	55	--	7.1	7.3	2.5	5.0	12.5	95
JAN										
24...	1245	3400	67	71	7.3	7.3	4.5	9.0	11.8	94
FEB										
29...	1200	4120	49	56	7.3	7.4	7.0	3.5	11.2	95
MAR										
27...	1000	3570	42	43	7.2	7.1	9.5	15.0	11.3	101
APR										
24...	1130	2140	54	58	7.2	7.3	12.5	17.0	9.8	95
MAY										
30...	0930	2090	55	55	7.3	7.4	16.0	13.0	--	--
JUN										
26...	0715	1290	59	59	7.3	7.3	21.0	19.0	7.7	88
JUL										
24...	0830	1370	60	60	7.1	7.2	22.0	22.5	7.7	89
AUG										
29...	0845	1290	69	67	7.3	7.4	24.0	23.0	7.8	94
SEP										
25...	0800	605	71	69	7.3	7.4	21.5	18.5	7.8	89

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
26...	4.0	.2	220	30	2	28	.20	.020	<.020	2.2
NOV										
30...	20	1.4	330	16	0	20	.25	.040	.080	3.2
DEC										
28...	90	7.6	4900	26	0	28	.29	.480	.430	8.7
JAN										
24...	80	1.9	410	34	9	25	.39	.100	.060	5.7
FEB										
29...	20	2.1	790	22	2	20	.24	.040	.040	2.3
MAR										
27...	11	1.0	<20	18	2	16	.16	.030	.020	2.5
APR										
24...	10	1.2	110	22	1	21	.20	.060	.040	1.6
MAY										
30...	20	.7	1100	20	0	22	.22	<.020	.050	5.9
JUN										
26...	13	1.0	50	22	0	22	.17	.030	.050	4.1
JUL										
24...	20	1.5	330	26	4	22	.18	.020	.050	5.4
AUG										
29...	16	1.6	790	26	0	26	.21	.040	.040	2.3
SEP										
25...	8.0	1.3	170	38	12	26	.21	.020	.030	2.2

02384500 CONASAUGA RIVER NEAR ETON, GA.

LOCATION.--Lat 34°49'40", long 84°51'03", Murray-Whitfield County line, Hydrologic Unit 03150101, at downstream side of right bank pier of bridge on State Highway 286, 3.4 mi upstream from Mill Creek, 5.2 mi west of Eton, and at mile 42.7.

DRAINAGE AREA.--252 mi².

PERIOD OF RECORD.--Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 672.54 ft, National Geodetic Vertical Datum of 1929. June 26, 1953, to September 30, 1958, and August 16, 1962, to September 30, 1981, crest-stage gage at site 75 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good, except those of Dec. 28-31, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft³/s Mar. 17, 1973, gage height, 18.59 ft, present datum; minimum discharge, 48 ft³/s Oct. 10, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,800 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 4	2300	6810	13.17	May 4	0700	*8880	14.09
Dec. 29	unknown	7080	13.30	May 9	0600	5890	12.69
Apr. 5	0700	5820	12.65				

Minimum discharge, 48 ft³/s Oct. 10, gage height, 2.24 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	67	491	700	388	1210	910	832	237	199	1300	151
2	53	66	364	580	358	967	740	882	224	198	864	140
3	51	66	2090	510	346	830	885	4530	213	186	675	144
4	49	74	5610	460	358	726	3220	8010	205	150	810	208
5	49	112	5050	426	317	751	5260	4460	194	257	760	179
6	50	111	1500	395	299	941	1910	1510	187	998	536	141
7	56	90	1420	353	256	831	1010	1090	181	1350	426	127
8	53	83	881	314	235	692	779	3680	176	2300	358	120
9	49	79	655	290	259	588	1050	5370	168	592	344	114
10	48	77	517	587	265	506	1200	2420	163	358	391	112
11	49	78	727	1880	374	461	819	1180	157	276	373	113
12	50	84	1940	1080	320	420	674	892	162	235	303	111
13	116	78	1440	714	1640	397	577	737	186	227	264	116
14	377	74	1060	556	3190	385	518	630	183	206	239	105
15	131	106	831	464	2230	341	475	531	191	183	218	100
16	92	497	603	428	1060	418	424	467	242	486	200	97
17	77	226	466	386	795	478	413	423	204	340	193	95
18	71	157	413	820	624	501	387	389	164	252	181	92
19	68	137	369	902	526	673	350	362	152	284	174	88
20	66	191	335	600	502	831	689	343	232	212	169	86
21	64	602	307	478	425	2500	883	331	179	210	157	85
22	63	355	334	373	386	1690	692	356	171	203	149	83
23	76	268	698	408	1290	992	824	320	201	231	147	80
24	109	1750	489	2050	2210	741	601	303	213	207	152	78
25	104	1300	405	2040	1200	684	494	182	204	201	137	77
26	85	566	337	1200	846	579	421	364	156	280	131	77
27	81	467	290	901	1930	531	439	333	137	1050	139	75
28	76	2050	3700	735	3310	1450	1010	286	128	1030	463	74
29	73	2320	5000	613	1780	3220	1370	320	154	586	257	75
30	70	791	2000	517	---	2510	958	279	173	764	192	76
31	67	---	900	439	---	1220	---	251	---	1550	165	---
TOTAL	2677	12922	41842	22199	27719	29064	29982	42163	5537	15589	10867	3218
MEAN	79.9	431	1350	716	956	938	999	1360	185	503	351	107
MAX	377	2320	5610	2050	3310	3220	5260	8010	242	2300	1300	208
MIN	48	66	290	290	235	341	350	251	128	150	131	74
CFSM	.32	1.71	5.36	2.84	3.75	3.72	3.96	5.40	.73	2.00	1.39	.43
IN.	.37	1.91	6.18	3.28	4.09	4.29	4.43	6.22	.82	2.30	1.60	.48

CAL YR 1983 TOTAL 190356 MEAN 522 MAX 5610 MIN 48 CFSM 2.07 IN 28.10
WTR YR 1984 TOTAL 243579 MEAN 566 MAX 8010 MIN 48 CFSM 2.25 IN 35.96

02384749 CONASAUGA RIVER NEAR DALTON, GA.

LOCATION.--Lat 34°47'20", long 84°52'30", Whitfield-Murray County line, Hydrologic Unit 03150101, at Dalton waterworks intake, 0.4 mi upstream from U.S. Highway 76, and 5.5 mi east of Dalton.
DRAINAGE AREA.--303 mi^2.
PERIOD OF RECORD.--July 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
26...	0730	50	110	126	7.8	7.6	14.5	8.5	7.8	79
NOV										
30...	0830	650	57	62	7.2	7.3	8.0	-1.0	10.4	90
DEC										
28...	1145	2800	55	60	6.9	7.2	1.5	4.0	12.3	91
JAN										
24...	1600	2300	87	74	7.4	7.3	3.0	8.5	12.0	92
FEB										
29...	0930	2260	57	61	7.3	7.6	6.0	1.5	11.0	91
MAR										
27...	1300	505	87	92	7.6	7.7	12.0	16.0	9.4	90
APR										
24...	0845	640	83	87	7.4	7.5	13.5	13.5	9.0	89
MAY										
30...	0730	360	113	106	7.6	7.7	17.5	7.0	8.4	89
JUN										
26...	0930	120	118	112	7.5	7.7	23.0	25.0	6.7	79
JUL										
24...	1100	210	113	112	7.3	7.6	24.0	30.0	5.6	67
AUG										
29...	1230	260	92	91	7.5	7.5	22.5	25.0	7.8	91
SEP										
25...	1000	30	132	128	7.6	7.8	21.0	24.0	7.2	82

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
26...	7.0	.8	1400	230	54	0	55	14	.10	.110	.030	2.8
NOV												
30...	15	1.5	14000	330	24	1	23	30	.15	<.020	.050	3.1
DEC												
28...	120	5.6	130000	4900	28	4	24	199	.19	.130	.310	8.5
JAN												
24...	150	2.3	33000	1300	36	9	27	182	.32	.090	.070	8.2
FEB												
29...	20	2.1	12650	410	26	1	25	23	.19	.020	.050	4.1
MAR												
27...	8.0	.9	2300	220	42	2	40	12	.16	.020	<.020	2.0
APR												
24...	20	1.0	4900	1100	46	10	36	24	.19	.090	.040	4.3
MAY												
30...	16	.7	6400	550	50	0	50	25	.30	<.020	.060	3.1
JUN												
26...	24	.7	2800	330	50	2	48	26	.26	.060	.060	5.1
JUL												
24...	20	1.0	13000	330	60	11	49	27	.04	.030	.050	3.2
AUG												
29...	32	1.7	49000	940	40	2	38	41	.16	.070	.080	4.9
SEP												
25...	14	.7	8200	150	70	11	59	13	.17	.030	.020	1.8

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, Hydrologic Unit 03150101, on right bank 100 ft upstream from bridge on county road, 3 mi upstream from Rock Creek, and 3.3 mi south of Chatsworth.
DRAINAGE AREA.--6[illegible].0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1960 to current year.
REVISED RECORDS.--WRD GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Altitude of gage is 690 ft, from topographic map.
REMARKS.--Records good. Low flow affected by withdrawals and return flow by the city of Chatsworth. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--24 years, 125 ft^3/s, 26.52 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,110 ft^3/s Mar. 4, 1979, gage height, 12.54 ft; minimum daily, 1.5 ft^3/s Sept. 14, 16, 17, 1980.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 4	1100	2300	9.09	May 3	1900	2550	9.29
Dec. 28	2200	*2600	9.33				

Minimum daily discharge, 4.0 ft^3/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	11	102	132	87	240	190	174	46	41	408	36
2	4.7	13	81	114	82	186	153	286	43	40	222	33
3	4.3	12	887	103	82	161	212	1750	41	35	158	39
4	4.0	23	1980	94	81	141	724	1360	38	28	232	59
5	4.7	31	678	95	74	173	806	612	36	97	165	35
6	7.1	19	413	86	70	193	345	296	34	574	119	29
7	6.3	16	227	79	63	157	215	210	33	431	94	26
8	4.9	15	154	72	61	132	168	940	32	506	83	26
9	4.3	15	119	67	62	116	187	856	31	92	84	23
10	4.7	14	99	270	65	105	183	405	29	61	73	23
11	4.3	18	340	537	79	98	153	236	27	48	104	23
12	6.3	16	802	182	68	90	133	177	30	41	81	23
13	193	15	326	130	703	87	120	147	34	39	68	21
14	52	15	203	107	935	82	115	127	30	40	59	20
15	24	243	148	95	378	77	104	111	48	31	53	20
16	17	96	113	91	194	116	98	99	65	31	47	19
17	15	48	95	84	145	110	97	91	34	33	45	18
18	13	34	84	310	119	113	90	84	28	57	41	16
19	12	29	80	224	105	330	86	79	25	37	41	16
20	13	140	75	137	105	385	174	74	26	28	37	16
21	12	134	67	110	91	986	179	74	25	26	34	15
22	12	70	117	95	101	456	159	83	26	30	32	15
23	24	79	104	91	530	227	172	70	60	52	34	15
24	28	931	82	666	356	168	131	66	29	32	31	13
25	19	339	59	599	218	157	109	60	29	69	29	14
26	17	113	63	270	151	129	95	59	23	78	28	15
27	16	201	75	183	595	129	102	66	20	222	122	13
28	13	882	1410	145	639	500	311	57	19	364	80	13
29	13	553	1230	124	400	1030	327	73	77	758	51	13
30	13	149	300	107	---	576	195	55	108	697	44	16
31	12	---	167	95	---	271	---	50	---	824	42	---
TOTAL	578.6	4274	10680	5494	6639	7721	6133	8827	1126	5442	2741	663
MEAN	18.7	142	345	177	229	249	204	285	37.5	176	88.4	22.1
MAX	193	931	1980	666	935	1030	806	1750	108	824	408	59
MIN	4.0	11	59	67	61	77	86	50	19	26	28	13
CFSM	.29	2.22	5.39	2.77	3.58	3.89	3.19	4.45	.59	2.75	1.38	.35
IN.	.34	2.48	6.21	3.19	3.86	4.49	3.56	5.13	.65	3.16	1.59	.39

CAL YR 1983 TOTAL 48636.4 MEAN 133 MAX 1980 MIN 4.0 CFSM 2.08 IN 28.27
WTR YR 1984 TOTAL 60318.6 MEAN 165 MAX 1980 MIN 4.0 CFSM 2.58 IN 35.06

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1974, March 1978 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
13...	1400	382	--	619	638
NOV					
23...	1125	50	11.5	13	1.8
JAN					
05...	1315	96	4.5	73	19
FEB					
15...	1120	368	8.0	41	41
MAR					
28...	1015	424	13.5	73	84
MAY					
09...	0845	944	13.0	19	48
JUN					
20...	1140	26	25.5	14	.98
AUG					
01...	1130	420	20.0	23	26
SEP					
14...	0800	20	26.5	13	.70

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 ft downstream from highway bridge, 0.2 mi downstream from Swamp Creek, 0.5 mi northeast of Tilton, and 12 mi upstream from confluence with Coosawattee River.
DRAINAGE AREA.--687 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.
REVISED RECORDS.--WRD GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 622.28 ft, National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft upstream at same datum. Since Oct. 1, 1979, auxiliary water-stage recorder at county road bridge, 3.2 mi downstream. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage during 1961-79 water years.
REMARKS.--Records good, except those of Dec. 30 to Jan. 4 and May 4-8, which are fair. Flow affected by withdrawals and return flow by the city of Dalton, Ga.
AVERAGE DISCHARGE.--47 years, 1,229 ft^3/s, 24.29 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft^3/s Mar. 30, 1951; maximum gage height, 30.2 ft Mar. 30, 1951, backwater from Coosawattee River; minimum daily discharge, 50 ft^3/s Oct. 29, 1978.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 29	2100	5500	13.52	Mar. 22	1400	5290	13.09
Dec. 6	1100	10500	19.77	Mar. 30	2100	6300	15.01
Dec. 30	1900	9440	18.78	Apr. 6	1600	9050	18.22
Jan. 26	0100	5340	13.39	May 6	0200	*13600	21.78
Feb. 16	0200	7150	15.92	May 10	2100	8860	18.27
Feb. 29	1200	6370	14.73				

Minimum daily discharge, 85 ft^3/s Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	137	1430	4260	968	3880	2200	2490	553	532	4340	349
2	91	126	956	2030	887	2280	1660	2210	519	409	2980	341
3	97	123	3300	1550	843	1870	1820	6990	546	529	2130	309
4	103	150	7080	1210	855	1620	5520	9130	509	400	1740	443
5	90	167	8850	1080	816	1590	7920	12100	469	359	2170	447
6	87	199	10200	1020	754	2020	8810	12900	439	1570	1370	344
7	86	202	7800	930	700	1890	6080	7860	394	2570	1100	290
8	85	176	3170	836	629	1550	2250	5590	365	3260	917	266
9	87	157	1750	749	602	1320	2100	6950	349	2930	756	251
10	97	151	1350	1400	620	1160	3230	8480	332	857	753	246
11	106	146	1610	4240	777	1060	2630	7250	331	596	781	235
12	94	140	3750	3840	879	987	1840	2650	312	493	739	437
13	201	146	4070	1990	3700	935	1530	1830	319	481	612	270
14	582	154	2650	1470	6290	903	1350	1530	345	500	535	247
15	443	514	2010	1230	6870	851	1240	1300	462	438	490	215
16	230	929	1520	1100	5320	887	1090	1100	397	425	[illegible]	206
17	163	709	1180	1020	2240	1200	1020	980	422	1120	425	212
18	135	474	1000	1510	1630	1100	974	899	337	658	398	202
19	114	350	888	1890	1360	1380	905	827	295	561	377	190
20	109	567	809	2000	1230	1790	1010	776	320	499	376	182
21	99	1100	746	1340	1130	4180	2160	742	430	407	349	182
22	93	995	943	1080	1010	5090	1720	825	330	389	325	170
23	119	680	1580	970	1960	3080	2110	768	406	406	324	167
24	149	3240	1320	2940	5980	1800	1810	688	441	433	319	178
25	207	4280	917	5110	3460	1530	1260	634	388	387	305	174
26	184	2190	631	4500	1990	1410	1040	737	355	663	285	162
27	159	1160	724	2440	1610	1210	960	1060	291	849	306	160
28	148	4230	4350	1810	5770	2680	1790	746	265	2060	556	159
29	134	5310	7450	1490	6210	5340	4130	1060	296	3000	729	153
30	133	4340	9090	1280	---	6110	3060	784	1410	[illegible]	486	163
31	133	---	7970	1100	---	4670	---	627	---	4010	397	---
TOTAL	4649	33242	101094	60415	67110	67373	75219	102533	12627	34471	27822	7330
MEAN	150	1108	3261	1949	2314	2173	2507	3308	421	1112	897	244
MAX	582	5310	10200	5110	6870	6110	8810	12900	1410	4010	4340	447
MIN	85	123	631	749	602	851	905	627	265	359	285	153
CFSM	.22	1.61	4.75	2.84	3.37	3.16	3.65	4.82	.61	1.62	1.31	.36
IN.	.25	1.80	5.47	3.27	3.63	3.65	4.07	5.55	.68	1.87	1.51	.40

CAL YR 1983 TOTAL 466985 MEAN 1279 MAX 10200 MIN 85 CFSM 1.86 IN 25.29
WTR YR 1984 TOTAL 593885 MEAN 1623 MAX 12900 MIN 85 CFSM 2.36 IN 32.16

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to current year.
pH: October 1975 to current year.
WATER TEMPERATURES: October 1975 to current year.
DISSOLVED OXYGEN: October 1975 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 623 micromhos Sept. 26, 1981; minimum, 34 micromhos Mar. 23, 1980.
pH: Maximum recorded, 8.7 units Feb. 28, Mar. 1, 1977; minimum recorded, 6.3 units July 5, 6, 1976.
WATER TEMPERATURE: Maximum recorded, 32.5°C Aug. 7, 1979; minimum recorded, 0.0°C Dec. 19, 20, 1981.
DISSOLVED OXYGEN: Maximum recorded, 13.6 mg/L Jan. 31, 1977; minimum recorded, 0.6 mg/L July 1, 1977.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 365 micromhos Oct. 9; minimum recorded, 52 micromhos Dec. 30, 31, May 6.
pH: Maximum recorded, 7.9 units Feb. 12, May 26; minimum recorded, 6.5 units Dec. 5-7.
WATER TEMPERATURE: Maximum recorded, 29.0°C June 20, 21; minimum recorded, 2.0°C Dec. 29, 31, Jan 1.
DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L Feb. 9; minimum, 1.0 mg/L Oct. 22.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 18...	1340	133	196	196	7.3	7.4	18.5	21.0	6.3	68
NOV 30...	1300	4570	86	88	7.2	7.2	9.5	10.0	8.6	76
DEC 20...	0950	810	145	130	7.2	7.6	7.0	3.0	10.8	90
JAN 30...	1430	1260	119	110	7.4	7.3	7.5	7.5	11.5	99
FEB 16...	1400	5450	85	98	7.2	7.2	10.0	15.0	9.2	84
MAR 27...	1520	1150	129	121	7.3	7.5	13.5	20.0	8.4	83
APR 24...	1510	1640	122	124	7.2	7.5	15.5	20.0	8.4	87
MAY 10...	1020	8460	67	66	6.7	7.3	16.0	11.5	7.4	76
JUN 07...	1600	368	198	192	7.3	--	25.5	32.0	4.6	57
JUL 25...	0800	400	200	192	7.2	7.6	25.5	25.0	6.0	75
AUG 15...	1130	488	162	157	7.5	7.5	26.0	28.0	5.4	68
SEP 06...	0830	352	183	177	7.3	7.5	22.0	15.5	5.0	58

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT 18...	9.0	--	1.7	270	58	9	59	4
NOV 30...	39	24	2.5	2200	36	7	29	33
DEC 20...	8.0	15	--	90	54	0	55	6
JAN 30...	14	1	1.2	20	52	10	42	18
FEB 16...	28	18	2.4	7000	36	7	29	41
MAR 27...	18	3	1.2	330	58	9	49	32
APR 24...	--	11	2.4	4900	58	10	48	53
MAY 10...	32	21	1.3	1700	30	4	26	30
JUN 07...	15	16	1.9	2300	76	10	66	22
JUL 25...	23	22	1.3	600	68	7	61	56
AUG 15...	16	19	1.0	490	60	7	53	26
SEP 06...	20	20	1.9	2300	68	4	64	28

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	.55	.170	--	1.83	9.4
NOV 30...	.16	.050	<.10	.330	8.2
DEC 20...	.33	.080	.10	.530	2.6
JAN 30...	.38	.110	.20	.170	2.6
FEB 16...	.25	.090	.40	.220	9.0
MAR 27...	.20	.090	.40	.510	5.1
APR 24...	.38	.100	.60	.370	7.6
MAY 10...	.25	.060	<.10	.110	6.6
JUN 07...	.50	.190	.60	1.02	5.4
JUL 25...	.53	.090	.70	1.13	5.7
AUG 15...	.34	.100	.30	.890	5.4
SEP 06...	.47	.150	.80	1.78	5.4

02387000 CONASAUGA RIVER AT TILTON, GA.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	339	328	251	214	111	97	87	67	141	135	91	78
2	342	323	279	258	127	112	97	88	144	141	99	91
3	319	295	309	283	128	88	103	97	147	144	106	100
4	306	281	308	292	86	62	110	102	151	147	106	103
5	328	311	312	281	61	54	123	110	149	139	113	106
6	358	326	281	243	72	53	129	123	153	141	117	111
7	359	358	242	209	92	73	133	129	158	146	123	115
8	360	357	265	206	107	92	139	133	161	157	117	115
9	365	355	272	264	118	108	144	136	166	160	119	117
10	335	306	274	268	---	---	155	114	168	161	121	114
11	306	278	283	272	---	---	123	98	178	152	119	112
12	332	292	290	280	---	---	99	87	161	151	129	118
13	363	309	287	256	---	---	98	88	160	113	139	132
14	358	162	254	231	---	---	106	99	113	88	140	137
15	178	162	255	188	---	---	109	107	---	---	146	139
16	175	163	188	140	---	---	115	109	94	85	160	143
17	174	164	158	147	---	---	122	114	109	95	155	139
18	226	167	159	152	---	---	133	123	119	109	---	---
19	256	227	160	149	---	---	139	134	121	115	---	---
20	262	256	177	134	147	143	---	---	130	115	142	120
21	274	263	154	126	151	148	---	---	135	130	---	---
22	295	275	134	129	164	150	---	---	139	135	---	---
23	289	243	137	105	155	139	---	---	144	125	---	---
24	259	224	130	95	141	136	---	---	125	85	---	---
25	261	224	96	70	135	131	---	---	93	85	---	---
26	256	241	90	74	142	133	---	---	99	91	---	---
27	256	252	---	---	148	133	102	96	102	94	---	---
28	268	255	---	---	148	72	106	102	93	69	---	---
29	268	261	87	68	70	56	111	106	77	68	---	---
30	271	236	96	73	56	52	132	111	---	---	---	---
31	236	216	---	---	66	52	136	131	---	---	---	---
MONTH	365	162	312	68	164	52	155	67	178	68	160	78

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	122	111	172	168	168	136	96	90	187	175
2	---	---	127	105	177	172	152	148	109	96	174	160
3	---	---	114	78	---	---	175	150	147	109	166	160
4	---	---	77	60	---	---	174	163	---	---	192	158
5	---	---	60	54	---	---	170	162	---	---	198	175
6	---	---	68	52	---	---	177	113	---	---	189	176
7	---	---	89	68	---	---	126	91	---	---	196	185
8	---	---	89	86	205	198	104	70	---	---	198	192
9	---	---	90	86	203	198	79	64	---	---	191	181
10	---	---	87	66	198	182	111	79	---	---	180	174
11	---	---	81	70	184	177	155	113	---	---	223	178
12	---	---	83	80	212	185	161	152	---	---	230	178
13	---	---	85	81	220	210	177	162	---	---	214	190
14	---	---	---	---	214	192	190	169	---	---	226	215
15	---	---	121	117	240	187	181	161	---	---	240	222
16	132	127	129	121	203	180	208	159	---	---	240	214
17	140	132	129	125	180	161	200	136	---	---	213	195
18	140	135	135	130	165	153	157	134	---	---	243	197
19	142	136	135	129	201	167	168	155	---	---	258	243
20	148	137	129	127	216	202	180	164	---	---	260	254
21	145	112	139	128	216	183	195	180	---	---	269	255
22	117	113	162	141	225	188	198	182	197	194	231	273
23	136	116	149	142	226	195	181	171	203	193	279	247
24	135	118	153	148	201	176	198	176	208	204	247	222
25	125	118	158	151	181	169	206	193	209	196	279	224
26	130	123	155	107	203	182	229	166	195	185	290	273
27	137	129	159	119	215	200	181	129	184	173	293	288
28	139	106	145	131	229	215	157	89	213	144	292	283
29	111	92	154	128	223	203	99	75	161	139	286	279
30	111	97	166	147	203	133	101	81	173	163	278	239
31	---	---	168	164	---	---	103	92	183	165	---	---
MONTH	148	92	168	52	240	133	229	64	213	90	293	158
YEAR	365	52										

02387000 CONASAUGA RIVER AT TILTON, GA.—Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.3	7.0	7.5	7.2	7.2	7.0	7.2	7.1	7.6	7.4	7.4	7.2
2	7.3	7.0	7.3	7.1	7.3	7.0	7.3	7.2	7.6	7.4	7.5	7.1
3	7.4	7.0	7.3	7.1	7.4	7.0	7.5	7.2	7.7	7.6	7.5	7.0
4	7.5	7.2	7.2	7.0	7.1	6.6	7.5	7.3	7.6	7.5	7.4	7.0
5	7.3	7.0	7.0	6.9	6.8	6.5	7.5	7.2	7.6	7.5	---	---
6	7.3	7.0	7.2	7.0	6.7	6.5	7.5	7.2	7.7	7.5	---	---
7	7.2	7.0	7.3	7.2	6.7	6.5	7.5	7.3	7.5	7.4	7.3	7.2
8	7.3	7.0	7.4	7.1	7.0	6.7	7.6	7.4	7.6	7.5	7.5	7.2
9	7.3	7.0	7.3	7.1	7.2	7.0	7.5	7.3	7.7	7.5	7.3	7.2
10	7.3	7.0	7.3	7.0	7.2	7.0	7.7	7.2	7.8	7.6	7.4	7.2
11	7.4	7.1	7.0	7.0	---	---	7.4	7.0	7.8	7.6	7.6	7.3
12	7.2	7.1	7.1	7.0	---	---	7.1	6.9	7.9	7.7	7.7	7.5
13	7.2	6.9	7.3	7.1	---	---	7.3	6.9	---	---	7.7	7.5
14	7.1	6.9	7.3	7.2	---	---	7.3	7.1	---	---	7.7	7.4
15	7.3	7.0	7.8	7.1	---	---	7.5	7.2	---	---	7.7	7.4
16	7.4	7.1	7.2	7.0	---	---	7.3	7.2	7.3	7.2	7.7	7.4
17	7.4	7.1	7.4	7.1	---	---	7.6	7.3	7.6	7.1	7.6	7.3
18	7.3	7.1	7.5	7.2	---	---	7.5	7.4	7.4	7.0	---	---
19	7.3	7.0	7.5	7.2	---	---	7.6	7.4	7.5	6.8	---	---
20	7.2	6.9	7.8	7.1	7.2	7.1	---	---	7.4	6.9	7.3	7.1
21	7.1	6.9	7.2	7.1	7.5	7.2	---	---	7.5	7.3	---	---
22	7.1	6.9	7.4	7.1	7.5	7.3	---	---	7.4	7.3	---	---
23	7.2	7.0	7.5	7.2	7.6	7.2	---	---	7.6	7.2	---	---
24	7.1	7.0	7.2	7.0	7.3	7.2	---	---	7.5	7.1	---	---
25	7.3	7.0	7.0	6.9	7.3	7.3	---	---	7.4	7.0	---	---
26	7.3	7.0	7.0	6.8	7.7	7.3	---	---	7.4	6.9	---	---
27	7.1	7.0	7.1	6.8	7.6	7.5	7.3	7.2	7.3	7.0	---	---
28	7.2	7.0	7.2	6.9	7.7	7.0	7.5	7.3	---	---	---	---
29	7.2	6.9	7.0	6.9	7.3	7.0	7.6	7.4	---	---	---	---
30	7.2	7.0	7.1	7.0	7.1	6.9	7.6	7.3	---	---	---	---
31	7.3	7.0	---	---	7.1	7.0	7.4	7.3	---	---	---	---
MONTH	7.5	6.9	7.8	6.8	7.7	6.5	7.7	6.9	7.9	6.8	7.7	7.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	7.1	6.8	7.8	7.5	7.5	7.1	7.3	6.9	7.4	7.3
2	---	---	7.0	6.9	7.8	7.5	7.6	7.3	7.3	6.9	7.5	7.3
3	---	---	7.2	6.9	---	---	7.7	7.3	7.4	6.9	7.6	7.4
4	---	---	7.0	6.8	---	---	7.6	7.3	---	---	7.5	7.3
5	---	---	6.9	6.7	---	---	7.4	7.4	---	---	7.5	7.3
6	---	---	7.0	6.8	---	---	7.5	7.1	---	---	7.4	7.3
7	---	---	7.4	7.1	7.4	7.4	7.2	7.0	---	---	7.4	7.2
8	---	---	7.4	6.9	7.6	7.3	7.3	6.8	---	---	7.4	7.2
9	---	---	7.1	7.0	7.5	7.3	7.1	6.6	---	---	7.5	7.3
10	---	---	7.4	7.0	7.6	7.3	7.3	6.8	---	---	7.5	7.3
11	---	---	7.4	7.1	7.6	7.4	7.6	7.0	---	---	7.5	7.3
12	---	---	7.1	6.9	7.6	7.3	7.3	7.1	---	---	7.4	7.1
13	---	---	7.5	6.9	7.5	7.3	7.4	7.0	---	---	7.3	7.1
14	---	---	---	---	7.5	7.3	7.3	7.1	---	---	7.3	7.2
15	---	---	7.4	7.3	7.4	7.1	7.6	7.2	---	---	7.2	7.1
16	7.3	7.3	7.4	7.3	7.4	7.2	7.4	7.3	---	---	7.2	7.1
17	7.3	7.2	7.4	7.4	7.4	7.2	7.6	7.3	---	---	7.3	7.2
18	7.3	7.3	7.5	7.4	7.6	7.3	7.3	7.2	---	---	7.5	7.3
19	7.3	7.2	7.7	7.4	7.5	7.3	7.4	7.2	---	---	7.4	7.2
20	7.3	7.2	7.7	7.5	7.6	7.2	7.5	7.3	---	---	7.4	7.2
21	7.5	7.3	7.6	7.5	7.4	7.3	7.5	7.3	---	---	7.3	7.1
22	7.6	7.1	7.7	7.4	7.5	7.3	7.4	7.3	7.4	7.3	7.3	7.1
23	7.3	7.1	7.5	7.4	7.5	7.2	7.6	7.4	7.5	7.3	7.3	7.1
24	7.2	7.1	7.6	7.3	7.6	7.3	7.5	7.4	7.4	7.3	7.4	7.2
25	7.4	7.1	7.5	7.4	7.6	7.4	7.4	7.2	7.4	7.3	7.5	7.2
26	7.5	7.2	7.9	7.2	7.5	7.3	7.3	7.2	7.5	7.3	7.4	7.2
27	7.1	7.0	7.7	7.3	7.5	7.3	7.3	7.1	7.6	7.4	7.3	7.1
28	7.1	6.8	7.6	7.1	7.5	7.3	7.3	6.8	7.5	7.3	7.2	7.1
29	7.0	6.8	7.4	7.2	7.6	7.3	7.0	6.7	7.3	7.2	7.2	7.1
30	7.0	6.8	7.4	7.3	7.4	7.1	6.8	6.7	7.4	7.2	7.2	7.2
31	---	---	7.5	7.4	---	---	7.3	6.7	7.8	7.3	---	---
MONTH	7.6	6.8	7.9	6.7	7.8	7.1	7.7	6.6	7.8	6.9	7.6	7.1
YEAR	7.9	6.5										

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.5	19.0	16.0	14.0	12.0	10.0	3.0	2.0	6.5	6.0	7.0	6.0
2	21.5	19.0	18.0	15.5	12.5	10.5	---	---	6.5	5.5	---	---
3	21.5	18.5	18.0	16.0	13.0	11.0	---	---	7.0	6.5	---	---
4	21.0	19.0	18.5	17.0	13.5	11.5	---	---	7.5	7.0	---	---
5	23.0	20.5	17.0	14.5	13.5	12.5	---	---	8.0	7.0	---	---
6	23.0	21.0	14.5	13.0	12.5	12.5	---	---	7.5	6.0	---	---
7	21.5	20.0	13.0	12.0	12.0	10.5	---	---	6.0	5.0	10.0	9.0
8	21.0	19.0	14.0	12.0	11.0	9.5	---	---	5.0	4.0	10.0	8.5
9	21.5	19.0	15.5	13.0	12.0	10.5	7.5	6.0	5.5	3.5	9.0	8.0
10	20.0	19.5	16.5	15.0	---	---	7.5	6.5	6.0	4.5	8.0	7.0
11	19.5	18.5	15.0	12.5	---	---	8.5	8.0	7.5	6.0	7.5	6.0
12	19.5	18.5	13.0	11.5	---	---	8.0	6.0	10.0	7.5	8.0	6.5
13	20.0	19.5	12.5	10.5	---	---	6.5	5.5	14.5	10.0	9.5	8.0
14	19.5	16.5	10.5	9.0	---	---	6.0	5.0	13.0	11.5	11.5	9.0
15	16.5	15.0	12.5	9.0	---	---	---	---	---	---	13.5	11.0
16	16.5	15.0	11.0	10.0	---	---	---	---	10.5	10.0	14.5	13.0
17	17.5	16.0	10.5	10.0	---	---	---	---	11.5	10.0	15.0	14.0
18	18.5	16.5	10.5	9.0	---	---	---	---	12.0	11.0	---	---
19	20.5	18.5	12.5	10.0	---	---	---	---	14.5	12.0	---	---
20	21.5	19.5	14.5	12.5	7.5	7.0	---	---	14.0	11.5	16.0	15.0
21	21.0	19.5	12.5	12.0	8.0	7.5	---	---	12.0	11.0	---	---
22	19.5	18.0	12.0	11.0	9.0	8.0	---	---	11.0	10.0	---	---
23	18.0	17.5	14.0	11.5	---	---	---	---	10.5	9.5	---	---
24	17.5	16.5	15.0	13.5	---	---	---	---	10.0	8.5	---	---
25	17.5	16.5	13.5	11.5	4.5	3.0	---	---	10.0	8.0	---	---
26	17.5	15.5	13.0	11.0	4.0	2.5	---	---	---	---	---	---
27	16.5	15.0	---	---	5.0	3.5	7.5	7.0	---	---	---	---
28	16.5	14.0	---	---	5.0	3.0	7.5	7.0	---	---	---	---
29	16.0	14.0	13.0	11.0	3.0	2.0	7.5	7.0	---	---	---	---
30	17.0	15.0	10.5	9.5	3.5	2.5	7.5	7.0	---	---	---	---
31	15.5	14.0	---	---	3.0	2.0	7.5	6.5	---	---	---	---
MONTH	23.0	14.0	18.5	9.0	13.5	2.0	8.5	2.0	14.5	3.5	16.0	6.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	20.0	18.0	19.5	17.0	26.5	24.5	21.0	20.5	25.5	23.5
2	---	---	19.5	17.5	20.5	18.0	27.5	25.0	23.5	21.5	25.5	24.0
3	---	---	18.0	16.5	---	---	28.0	25.0	25.0	23.0	25.5	24.5
4	---	---	19.0	18.0	---	---	27.5	25.5	---	---	24.5	23.5
5	---	---	19.0	18.0	---	---	26.0	25.0	---	---	24.0	22.5
6	---	---	18.5	18.0	---	---	25.5	24.5	---	---	23.5	22.0
7	---	---	20.0	18.0	---	---	---	---	---	---	23.5	22.0
8	---	---	20.0	16.0	26.5	24.5	---	---	---	---	23.5	22.0
9	---	---	16.0	12.0	26.5	24.5	---	---	---	---	23.0	21.5
10	---	---	17.5	15.0	26.5	24.5	---	---	---	---	23.0	22.0
11	---	---	20.0	15.5	27.0	24.5	---	---	---	---	24.0	22.5
12	---	---	21.5	18.5	27.5	25.5	---	---	---	---	24.0	23.0
13	---	---	22.5	20.5	27.5	25.5	---	---	---	---	25.0	23.0
14	---	---	---	---	27.5	26.0	---	---	---	---	25.5	24.0
15	---	---	19.5	18.5	27.0	25.5	---	---	---	---	25.5	23.5
16	15.5	14.5	19.0	17.5	27.5	25.5	26.5	25.0	---	---	23.5	22.5
17	14.5	13.5	18.5	17.0	27.5	25.5	26.5	24.5	---	---	22.5	21.5
18	15.0	13.0	18.5	17.0	28.0	25.5	26.0	24.5	---	---	22.5	21.0
19	14.0	13.0	19.0	17.5	28.5	26.0	26.5	24.5	---	---	22.5	20.5
20	13.0	12.5	20.0	18.0	29.0	27.0	26.5	24.5	---	---	23.0	21.0
21	13.5	12.0	20.0	19.5	29.0	27.0	27.0	25.0	---	---	23.5	21.0
22	15.5	14.0	21.0	19.5	28.0	26.5	26.5	25.0	---	---	23.5	21.5
23	15.5	15.0	21.0	20.5	27.5	26.0	26.0	24.0	26.5	26.0	23.5	22.0
24	16.0	15.0	22.0	20.0	27.0	25.5	26.5	24.5	26.0	26.0	23.0	22.0
25	17.0	15.0	21.5	21.0	27.5	25.0	26.5	25.5	26.0	25.5	24.0	22.0
26	20.5	16.5	22.5	20.5	26.5	24.5	26.5	25.5	25.5	25.5	24.5	22.5
27	21.5	20.0	22.5	20.5	27.0	25.0	25.5	25.0	25.5	25.0	23.5	22.0
28	21.0	20.0	---	---	27.5	26.0	25.0	23.5	25.0	25.0	22.5	21.5
29	20.0	18.5	---	---	27.5	26.0	24.0	22.0	24.5	24.5	21.0	15.5
30	20.5	19.0	---	---	26.5	23.5	22.0	20.5	24.5	24.0	19.5	18.0
31	---	---	19.0	17.0	---	---	21.5	20.5	25.5	23.5	---	---
MONTH	21.5	12.0	22.5	12.0	29.0	17.0	28.0	20.5	26.5	20.5	25.5	18.0
YEAR	25.0	2.0										

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.4	2.9	6.6	5.3	9.6	9.4	12.2	10.5	11.3	10.6	---	---
2	4.5	2.9	5.7	4.4	9.5	8.7	12.9	11.3	11.8	10.9	---	---
3	5.8	3.3	4.5	3.2	9.7	8.7	12.7	11.6	12.1	11.4	---	---
4	6.1	3.4	3.7	1.9	9.4	8.0	12.4	11.2	12.0	11.5	---	---
5	4.9	2.5	3.4	1.4	8.5	7.6	12.3	10.9	12.4	11.8	---	---
6	4.3	2.0	5.7	3.4	8.5	7.9	12.3	10.7	12.3	11.6	---	---
7	3.9	1.7	7.7	5.7	8.6	8.1	12.1	11.7	12.1	11.9	11.7	10.3
8	4.0	1.9	7.8	6.5	9.8	8.7	12.1	11.4	12.7	12.0	11.1	10.1
9	4.1	2.2	6.4	5.3	9.5	8.0	11.8	10.7	13.2	12.5	10.1	9.2
10	4.3	2.3	5.2	3.7	---	---	---	---	12.9	12.2	9.6	9.0
11	5.0	3.0	4.0	3.5	---	---	---	---	12.7	11.5	9.9	8.4
12	4.1	3.0	4.8	3.5	---	---	---	---	12.1	11.2	10.1	8.3
13	4.1	2.1	6.0	4.5	---	---	---	---	11.5	10.3	11.6	10.1
14	5.9	2.0	8.1	6.1	---	---	---	---	---	---	12.0	10.3
15	7.5	6.2	9.8	6.0	---	---	---	---	---	---	11.4	9.7
16	7.8	7.3	8.9	7.9	---	---	---	---	9.8	9.2	11.0	10.1
17	7.6	7.1	9.7	9.0	---	---	---	---	11.1	9.7	10.2	9.0
18	7.5	5.4	9.9	9.6	---	---	---	---	10.6	10.0	---	---
19	5.5	3.3	9.6	9.1	---	---	---	---	11.0	10.6	---	---
20	3.4	2.0	9.2	7.0	11.0	10.6	---	---	11.6	10.4	8.6	7.1
21	2.9	1.2	8.7	7.9	10.7	10.6	---	---	11.7	10.6	---	---
22	1.6	1.0	9.2	8.5	10.6	10.0	---	---	11.4	10.2	---	---
23	2.1	1.7	9.2	8.7	---	---	---	---	10.7	10.4	---	---
24	4.3	2.0	8.7	6.5	---	---	---	---	11.5	10.5	---	---
25	4.6	4.2	8.5	7.5	10.6	10.1	---	---	---	---	---	---
26	4.8	4.1	8.7	7.5	11.0	10.2	---	---	---	---	---	---
27	4.8	4.5	---	---	11.3	11.0	11.4	11.1	---	---	---	---
28	4.9	4.3	---	---	11.7	11.2	11.6	11.0	---	---	---	---
29	4.9	4.0	8.8	7.7	12.1	11.9	11.7	11.1	---	---	---	---
30	4.4	3.8	9.4	8.6	11.7	10.4	11.8	10.6	---	---	---	---
31	5.9	4.4	---	---	11.2	10.5	11.0	10.5	---	---	---	---
MONTH	7.8	1.0	9.9	1.4	12.1	7.6	12.9	10.5	13.2	9.2	12.0	7.1

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	7.2	6.8	---	---	7.2	7.0	4.6	4.4
2	---	---	---	---	7.2	7.0	---	---	---	---	5.0	4.4
3	---	---	---	---	---	---	---	---	---	---	5.2	4.7
4	---	---	---	---	---	---	---	---	---	---	5.2	4.6
5	---	---	---	---	---	---	5.7	5.6	---	---	5.2	4.8
6	---	---	---	---	---	---	5.8	5.6	---	---	5.1	4.4
7	---	---	---	---	---	---	---	---	---	---	4.8	4.5
8	---	---	---	---	4.8	4.1	---	---	---	---	4.8	4.3
9	---	---	---	---	4.4	3.9	---	---	---	---	5.1	4.6
10	---	---	8.6	7.3	4.3	3.9	---	---	---	---	5.5	5.3
11	---	---	---	---	4.8	4.1	---	---	---	---	5.6	4.8
12	---	---	---	---	4.5	3.9	---	---	---	---	5.4	4.0
13	---	---	---	---	4.0	3.4	---	---	---	---	4.8	3.8
14	---	---	---	---	4.2	3.5	---	---	---	---	4.0	3.9
15	---	---	7.7	7.2	4.0	2.0	---	---	---	---	3.9	3.2
16	8.9	8.7	7.4	7.1	3.9	3.2	5.6	5.4	---	---	4.3	3.3
17	9.0	8.8	7.6	7.3	4.1	3.4	6.3	5.5	---	---	5.2	4.0
18	9.3	8.9	7.6	7.4	4.2	3.8	6.2	5.9	---	---	5.7	4.9
19	9.2	8.9	7.6	7.3	4.0	3.4	5.9	5.7	---	---	5.3	3.9
20	9.3	8.7	7.5	7.3	4.2	3.1	5.9	5.6	---	---	4.5	4.0
21	9.5	9.2	7.3	7.0	3.7	3.0	5.7	5.4	---	---	4.6	3.8
22	---	---	7.0	6.0	3.2	2.3	5.6	5.4	5.4	4.7	4.5	3.7
23	---	---	6.6	5.7	3.2	2.5	5.9	5.5	5.0	4.3	4.5	3.8
24	8.7	8.3	6.5	4.8	3.5	3.2	6.1	6.0	4.5	4.0	5.2	4.2
25	8.7	8.1	6.3	6.0	3.9	3.5	6.1	5.8	4.8	4.1	5.1	4.2
26	8.1	7.5	6.6	6.0	3.6	3.4	5.9	5.5	4.9	4.5	4.8	3.6
27	---	---	6.5	6.1	3.6	3.1	5.9	5.6	5.1	4.8	4.5	3.5
28	---	---	---	---	3.3	2.8	---	---	5.2	4.4	3.8	2.9
29	---	---	---	---	3.8	3.0	---	---	5.7	4.8	3.7	3.0
30	---	---	---	---	---	---	---	---	5.1	4.7	4.0	3.0
31	---	---	7.0	6.5	---	---	7.4	7.0	5.0	4.5	---	---
MONTH	9.5	7.5	8.6	4.8	7.2	2.0	7.4	5.4	7.2	4.0	5.7	2.9
YEAR	13.2	1.0										

02387050 CONASAUGA RIVER NEAR RESACA, GA.

LOCATION.--Lat 34°35'36", long 84°56'02", Gordon County, Hydrologic Unit 03150101, at county highway bridge, 1.1 mi northeast of Resaca, and 5.1 mi upstream from confluence with Coosawattee River.
DRAINAGE AREA.--706 mi².
PERIOD OF RECORD.--August 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
26...	0830	240	230	257	7.5	7.6	15.5	8.5	4.8	49
NOV										
30...	0945	5600	68	75	7.2	7.2	10.0	4.0	9.2	83
DEC										
28...	1000	4600	77	84	7.1	7.4	1.0	5.0	12.5	91
JAN										
24...	1345	3600	105	118	7.4	7.3	4.0	9.0	11.7	92
FEB										
29...	1045	6600	66	72	7.2	7.5	7.0	2.0	9.8	83
MAR										
27...	1045	1400	125	120	7.5	7.5	12.5	15.0	8.8	86
APR										
24...	1000	2200	110	122	7.3	7.5	14.5	13.5	8.2	83
MAY										
30...	0830	1150	145	144	7.4	7.6	19.5	12.0	7.1	78
JUN										
26...	0800	390	170	173	7.4	7.5	25.0	20.0	4.5	55
JUL										
24...	1000	480	170	172	7.2	7.2	25.0	29.0	5.3	65
AUG										
29...	1000	940	148	145	7.3	7.6	24.0	24.0	6.3	76
SEP										
25...	0830	180	220	215	7.4	7.6	22.0	20.0	5.2	60

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
26...	6.0	1.1	230	94	12	82	.72	.150	2.00	8.8
NOV										
30...	40	2.6	7900	26	1	25	.17	<.020	.260	8.0
DEC										
28...	100	4.8	2200	40	8	32	.50	.100	.420	5.6
JAN										
24...	80	7.3	33000	44	4	40	.42	.150	.550	13
FEB										
29...	55	2.[illegible]	7900	30	3	27	.20	.050	.160	8.0
MAR										
27...	19	1.9	290	54	9	45	.56	.080	.510	4.3
APR										
24...	60	2.2	3300	54	12	42	.42	.100	.300	6.8
MAY										
30...	70	1.6	2300	60	3	57	.80	.020	.890	6.4
JUN										
26...	18	1.2	120	70	6	64	.80	.100	.780	3.1
JUL										
24...	25	1.3	230	70	8	62	.77	.060	.540	4.7
AUG										
29...	130	1.9	1700	54	0	54	.30	.080	.490	6.0
SEP										
25...	11	1.4	490	88	7	81	.45	.090	.960	5.8

02387500 OOSTANAULA RIVER AT RESACA, GA.

LOCATION.--Lat 34°34'42", long 84°56'29", Gordon County, Hydrologic Unit 03150103, near left bank on downstream side of pier of bridge on U.S. Highway 41 at Resaca, 200 ft downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 mi upstream from Camp Creek, and 3.5 mi downstream from confluence of Conasauga and Coosawattee Rivers.
DRAINAGE AREA.--1,600 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1892 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.
REVISED RECORDS.--WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22, 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946-47(M). WRD GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 604.14 ft, National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Since June 1, 1979 auxiliary water-stage recorder at Calhoun water-works intake 5.5 mi downstream. Oct. 28, 1948, to May 31, 1979, nonrecording auxiliary gage located at State Highway 136 connector 7.1 mi downstream.
REMARKS.--Records good. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).
AVERAGE DISCHARGE.--92 years, 2,833 ft^3/s, 24.05 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft^3/s Mar. 31, 1951; maximum gage height, 34.6 ft Mar. 31, 1951; minimum discharge observed, 180 ft^3/s Sept. 7, 8, 1925, gage height, 0.5 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 36.6 ft Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft^3/s May 7, maximum gage height, 20.96 ft Dec. 7; minimum daily discharge 515 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	568	618	5450	8950	3040	9400	7980	5000	2440	2040	7850	1550
2	541	655	3340	4600	2680	6340	5950	4500	2300	1570	6320	1400
3	515	658	6570	4030	2460	5040	5530	10000	2230	1960	5320	1420
4	529	709	13600	3870	2350	3840	8670	13300	2120	2130	5160	1550
5	552	793	14900	3770	2280	3610	12000	14400	2140	2040	5360	1500
6	527	765	15000	3700	2190	4250	12200	15400	2080	2490	4610	1400
7	529	739	15300	3050	2260	4180	11700	15300	2080	3960	4260	1300
8	522	714	11800	2740	2220	4290	6880	14500	2050	4000	4010	1130
9	543	691	6190	2500	2180	4030	4530	13900	1940	4520	2730	1040
10	535	687	5000	3480	2210	3530	6250	13200	1570	2530	2150	988
11	561	696	5240	8010	2260	2950	6410	12900	1420	1990	2070	1050
12	562	684	8180	7800	2290	2770	4970	10400	1430	1850	1950	1210
13	880	669	9120	5210	5460	2820	4330	6950	1640	1780	1800	1120
14	1430	643	7550	4120	10700	2760	3620	6220	1860	1620	2090	3150
15	1630	1630	6340	3690	10800	2680	3140	6320	1900	1520	2190	1850
16	1300	1930	5580	3220	10300	2650	2920	5700	1680	1390	2200	1040
17	1200	1810	4660	3060	6820	2790	2980	4630	1620	2070	1890	804
18	1210	1580	3640	4060	4470	2990	2990	3770	1450	2340	1510	793
19	1140	1450	3410	6150	3760	4710	2870	3380	1450	2550	1390	780
20	976	1820	3340	5250	3520	4330	3060	2960	1430	2300	1300	764
21	798	2680	2980	3770	3330	8890	3870	2750	1560	1850	1450	[illegible]
22	653	2610	2920	3260	3310	10800	3540	3090	1440	1700	1460	814
23	647	2470	3250	3020	5060	9250	3600	2950	1410	1890	1470	792
24	697	7250	2950	5640	6610	6520	4130	2790	1520	1880	1470	745
25	797	9040	2560	9130	6530	5850	4110	2660	1400	1790	1190	802
26	759	6490	3800	9440	4530	5240	3730	2880	1670	1700	1130	765
27	739	4180	2820	6680	6200	4930	3270	3590	1620	2000	2230	757
28	699	8180	7540	5150	9320	6630	4010	2740	1530	3930	2260	771
29	682	10200	13600	4530	10300	11400	6760	3400	1540	4700	2180	773
30	670	9440	13500	4150	---	12300	5980	3090	2800	5380	2000	753
31	630	---	12700	3990	---	11400	---	2720	---	8310	1770	---
TOTAL	24061	82481	222830	150020	139440	171370	161980	215390	53500	81780	84780	33570
MEAN	776	2749	7188	4839	4808	5528	5399	6948	1783	2638	2735	1119
MAX	1630	10200	15300	9440	10800	12300	12200	15400	2800	8310	7850	3150
MIN	515	618	2560	2500	2180	2650	2870	2660	1410	1390	1130	745

CAL YR 1983 TOTAL 1208910 MEAN 3312 MAX 16000 MIN 515 MEAN† 3317 CFSM† 2.07 IN† 28.10
WTR YR 1984 TOTAL 1421202 MEAN 3383 MAX 15400 MIN 515 MEAN† 3880 CFSM† 2.42 IN† 32.97

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.13	2.25	9.92	13.86	6.72	14.43	12.92	9.39	5.74	5.06	12.82	4.19
2	2.06	2.34	7.19	8.88	6.14	11.04	10.57	8.75	5.51	4.23	11.02	3.91
3	1.99	2.35	11.13	8.15	5.78	9.43	10.04	15.01	5.39	4.93	9.79	3.94
4	2.02	2.47	18.88	7.94	5.59	7.90	13.58	18.33	5.21	5.23	9.59	4.19
5	2.08	2.67	20.32	7.80	5.48	7.58	17.03	19.40	5.24	5.07	9.83	4.10
6	2.02	2.60	20.48	7.70	5.33	8.43	17.20	20.33	5.14	5.81	8.91	3.90
7	2.02	2.55	20.75	6.75	5.44	8.34	16.72	20.37	5.13	8.05	8.45	3.73
8	2.00	2.49	17.71	6.23	5.38	8.50	11.60	20.55	5.09	8.11	8.11	3.38
9	2.06	2.43	10.83	5.84	5.31	8.15	8.79	19.87	4.90	8.78	6.22	3.21
10	2.04	2.42	9.39	7.24	5.36	7.46	10.93	18.76	4.23	5.89	5.27	3.10
11	2.11	2.44	9.68	12.99	5.45	6.59	11.13	18.07	3.94	4.98	5.12	3.23
12	2.11	2.41	13.16	12.75	5.49	6.28	9.35	15.39	3.97	4.73	4.92	3.55
13	2.85	2.38	14.15	9.65	9.84	6.36	8.54	11.77	4.35	4.62	4.64	3.35
14	3.97	2.31	12.47	8.27	15.74	6.28	7.59	10.90	4.75	4.33	5.16	6.89
15	4.33	4.30	11.05	7.69	15.80	6.14	6.90	11.02	4.82	4.13	5.33	4.71
16	3.72	4.88	10.10	7.02	15.32	6.09	6.54	10.25	4.44	3.90	5.34	3.19
17	3.52	4.66	8.96	6.77	11.57	6.32	6.64	8.93	4.31	5.09	4.81	2.69
18	3.54	4.24	7.61	8.14	8.72	6.65	6.65	7.80	4.00	5.58	4.12	2.67
19	3.41	4.00	7.30	10.81	7.78	6.51	6.46	7.25	4.00	5.91	3.89	2.64
20	3.07	4.67	7.21	9.70	7.46	8.53	6.77	6.60	3.96	5.50	3.73	2.60
21	2.68	6.13	6.65	7.80	7.19	13.89	7.93	6.26	4.22	4.74	4.01	2.59
22	2.34	6.02	6.53	7.08	7.16	15.80	7.48	6.83	3.98	4.48	4.02	2.72
23	2.32	5.79	7.07	6.71	9.44	14.27	7.56	6.59	3.92	4.81	4.03	2.67
24	2.44	12.07	6.59	10.13	11.37	11.26	8.28	6.33	4.14	4.79	4.04	2.56
25	2.68	14.08	5.95	14.17	11.28	10.45	8.25	6.11	4.06	4.62	3.51	2.69
26	2.68	11.19	7.83	14.48	8.79	9.69	7.74	6.45	4.41	4.46	3.39	2.60
27	2.54	8.34	6.37	11.44	10.80	9.31	7.10	7.55	4.32	4.99	5.33	2.59
28	2.45	13.08	12.04	9.57	14.36	11.33	8.05	6.23	4.16	7.96	5.43	2.62
29	2.41	15.21	18.75	8.80	15.29	16.39	11.55	7.26	4.36	9.01	5.31	2.62
30	2.38	14.48	18.60	8.30	---	17.30	10.60	6.81	6.34	9.86	5.00	2.58
31	2.28	---	17.75	8.09	---	16.40	---	6.20	---	13.32	4.60	---
MEAN	2.59	5.58	11.69	9.06	8.81	9.78	9.68	11.33	4.60	5.90	5.99	3.31
MAX	4.33	15.21	20.75	14.48	15.80	17.30	17.20	20.55	6.34	13.32	12.82	6.89
MIN	1.99	2.25	5.95	5.84	5.31	6.09	6.46	6.11	3.92	3.90	3.39	2.56

CAL YR 1983 MEAN 6.47 MAX 21.57 MIN 1.99
WTR YR 1984 MEAN 7.37 MAX 20.75 MIN 1.99

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to June 1974, April 1981 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1967 to September 1984 (discontinued).
INSTRUMENTATION.--Water-temperature recorder July 1967 to September 1984.
REMARKS.--No daily water-temperature record Jan. 1 to Mar. 26, Apr. 7-22, and May 23-30.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum recorded, 28.5°C Aug. 21, 1980; minimum recorded, 1.0°C Jan. 9-14, 1970, Jan. 16, 17, 21-24, Feb. 1, 1977, Jan. 12, 13, 1981, Dec. 31, 1983.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 25.0°C July 13, Aug. 20, 23; minimum recorded, 1.0°C Dec. 31.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT					
12...	0945	566	19.0	14	21
12...	0950	566	19.0	11	17
NOV					
22...	1020	2690	12.0	91	662
22...	1025	2690	12.0	97	633
DEC					
03...	2150	10700	11.0	124	3590
03...	2155	10700	11.0	128	3710
04...	0825	13600	11.5	127	4660
04...	0830	13600	11.5	125	4580
04...	1710	14400	12.0	100	3900
05...	1045	15000	12.0	57	2300
07...	1315	15600	11.5	42	1760
07...	1320	15600	11.5	37	1550
09...	0930	6220	9.5	39	655
09...	0935	6220	9.5	35	588
JAN					
04...	1115	3940	7.0	23	245
04...	1120	3940	7.0	24	255
MAR					
27...	1000	4930	10.5	43	573
27...	1005	4930	10.5	44	586
MAY					
03...	1115	10300	15.5	190	5290
03...	1120	10300	15.5	192	5350
03...	1810	12000	16.0	147	4750
04...	1020	13200	16.0	80	2840
06...	1105	15300	17.0	42	1740
06...	1110	15300	17.0	44	1820
07...	1110	15400	17.5	27	1120
07...	1115	15400	17.5	27	1120
10...	1050	13200	17.0	45	1600
10...	1055	13200	17.0	48	1710
13...	1115	6940	16.5	49	918
13...	1120	6940	16.5	48	900
JUN					
19...	1045	1520	23.5	23	94
19...	1050	1520	23.5	24	98
SEP					
13...	0850	997	22.5	27	73
13...	0855	997	22.5	31	83

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM
DEC								
05...	1045	15000	78	85	93	96	100	--
05...	1050	15000	80	--	--	--	--	--
09...	0930	6220	84	--	--	--	--	--
MAY								
03...	1810	12000	64	68	71	74	88	100
03...	1815	12000	91	--	--	--	--	--
04...	1020	13200	92	96	98	99	100	--
04...	1025	13200	87	--	--	--	--	--
07...	1110	13400	80	--	--	--	--	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
DEC											
04...	1607	14400	5	17	58	84	90	91	>91	>91	100
04...	1608	14400	<1	2	26	82	99	>99	100	--	--
04...	1609	14400	<1	<1	1	9	79	99	100	--	--
04...	1610	14400	<1	<1	1	6	52	92	98	100	--

02387500 OOSTANAULA RIVER AT RESACA, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	18.5	16.5	15.0	11.0	10.5					---	---
2	20.5	19.0	17.0	15.5	11.0	10.5					---	---
3	21.0	19.0	17.0	16.0	11.0	10.5					---	---
4	21.0	19.5	17.5	16.5	12.5	11.0					---	---
5	22.0	20.5	16.0	14.5	12.0	12.0					---	---
6	21.5	20.0	14.0	13.0	12.5	12.0					---	---
7	20.5	19.0	14.0	13.0	12.0	10.5					---	---
8	20.0	18.5	14.5	13.0	10.5	9.5					---	---
9	20.5	19.0	15.0	13.0	10.0	9.0					---	---
10	20.0	19.0	15.5	15.0	11.0	9.5					---	---
11	19.5	19.0	15.0	12.5	11.0	10.5					---	---
12	20.0	19.0	12.5	11.5	11.5	10.5					---	---
13	20.0	19.0	12.0	11.5	11.0	11.0					---	---
14	19.0	17.5	11.5	10.5	11.0	11.0					---	---
15	18.0	17.0	11.0	10.5	11.0	10.5					---	---
16	18.0	17.0	11.0	10.5	10.5	10.0					---	---
17	18.5	17.5	11.0	10.0	10.0	9.5					---	---
18	19.5	18.5	11.5	10.5	9.5	9.0					---	---
19	20.0	19.0	13.5	11.0	9.5	9.0					---	---
20	20.0	19.5	14.0	13.0	9.0	8.0					---	---
21	19.5	19.0	13.0	12.0	9.0	8.5					---	---
22	19.0	17.5	12.5	11.5	9.0	8.5					---	---
23	17.5	17.0	14.0	12.5	8.5	7.5					---	---
24	17.5	17.0	14.0	13.5	7.5	5.0					---	---
25	17.5	16.5	13.5	12.0	4.5	3.0					---	---
26	16.5	15.5	12.0	11.0	5.0	4.0					---	---
27	16.0	14.5	11.5	11.0	4.0	3.0					11.0	10.0
28	15.0	13.5	13.0	11.5	3.5	2.0					11.5	10.5
29	15.5	14.0	12.5	11.5	2.5	2.5					12.0	10.5
30	16.5	15.0	11.5	10.5	2.5	1.5					11.0	9.5
31	15.5	14.5	---	---	2.0	1.0					11.0	10.5
MONTH	22.0	13.5	17.5	10.0	12.5	1.0					12.0	9.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.0	10.5	17.0	15.5	18.5	17.0	22.5	21.5	21.0	21.0	24.0	22.5
2	11.5	10.5	15.5	15.5	19.0	18.0	22.5	21.5	21.5	21.0	24.0	23.0
3	12.0	11.0	16.0	15.0	19.5	18.5	23.0	22.0	22.0	21.5	24.0	23.0
4	13.0	11.5	16.5	16.0	20.5	19.5	22.5	22.0	22.5	22.0	23.0	22.5
5	13.5	12.0	17.0	16.5	20.5	20.0	22.5	21.5	22.5	22.0	23.0	22.0
6	12.0	10.5	18.0	17.0	21.0	20.0	23.5	22.0	23.0	22.5	22.5	21.5
7	---	---	18.5	17.5	21.0	20.5	23.5	22.0	22.5	22.0	22.5	21.5
8	---	---	18.0	17.5	21.5	20.5	23.0	22.5	23.0	22.0	22.5	21.0
9	---	---	17.5	17.0	22.0	21.0	22.5	22.0	24.0	23.0	22.5	21.0
10	---	---	17.0	16.5	23.0	21.5	23.0	22.0	24.5	23.5	23.0	21.0
11	---	---	17.5	16.5	23.5	22.0	24.0	23.0	24.5	23.5	23.0	21.5
12	---	---	17.0	16.5	23.5	23.0	24.0	23.5	24.5	23.5	24.0	22.0
13	---	---	17.0	16.0	23.0	22.0	23.5	23.0	24.5	23.5	24.0	22.5
14	---	---	17.0	16.5	22.5	22.0	24.5	23.5	24.5	24.0	23.5	22.5
15	---	---	17.0	16.0	23.0	21.5	25.0	24.0	24.0	24.0	23.0	22.5
16	---	---	17.5	16.0	23.0	22.0	24.5	24.0	24.0	23.5	22.5	21.5
17	---	---	18.0	17.0	24.0	22.5	24.5	23.5	24.5	23.5	22.0	20.5
18	---	---	19.0	18.0	24.0	23.0	24.0	23.5	24.5	23.5	22.0	20.5
19	---	---	19.5	18.5	24.0	23.0	23.5	22.5	24.5	23.5	21.5	20.0
20	---	---	20.0	19.0	23.5	22.5	23.5	22.5	25.0	23.5	21.5	19.5
21	---	---	20.5	19.5	23.5	22.5	24.0	23.0	24.5	23.5	21.5	19.5
22	---	---	21.0	20.0	23.5	22.5	23.5	23.0	24.5	23.5	22.0	20.0
23	15.0	13.5	---	---	24.0	22.5	23.5	22.0	25.0	24.0	23.0	21.0
24	14.5	14.0	---	---	24.5	23.0	23.5	23.0	24.0	23.0	22.5	21.5
25	14.5	14.0	---	---	24.0	22.5	23.5	23.0	24.5	23.0	23.5	21.5
26	15.5	14.5	---	---	23.0	22.0	24.0	23.0	24.5	23.0	23.0	21.5
27	15.5	15.5	---	---	22.5	21.0	24.0	23.0	24.0	22.5	22.0	21.0
28	16.0	15.5	---	---	23.0	22.0	23.0	22.5	24.0	23.0	21.5	20.5
29	17.0	16.0	---	---	22.5	22.0	22.5	21.5	24.0	23.0	20.5	19.0
30	17.5	17.0	---	---	24.0	21.5	21.5	21.0	23.0	23.0	19.0	18.0
31	---	---	18.0	17.0	---	---	21.0	20.5	24.0	22.5	---	---
MONTH	17.5	10.5	21.0	15.0	24.5	17.0	25.0	20.5	25.0	21.0	24.0	18.0

02387502 OOSTANAULA RIVER BELOW RESACA, GA.

LOCATION.--Lat 34°34'17", long 84°56'49", Gordon County, Hydrologic Unit 03150103, at bridge on Interstate Highway 75, 0.4 mi west of Resaca, and 0.4 mi upstream from Camp Creek.

DRAINAGE AREA.--1,600 mi^2, revised.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir. (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400.) Discharge obtained from gaging station 02387500, Oostanaula River at Resaca, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 26...	0915	802	120	131	7.5	7.4	15.5	9.0	7.4	76
NOV 30...	1015	9700	60	65	7.2	7.5	10.5	4.0	9.6	88
DEC 28...	1045	7190	75	64	7.0	7.4	3.0	4.0	12.0	92
JAN 24...	1415	6510	82	89	7.4	7.4	4.0	9.0	12.1	95
FEB 29...	1115	10300	60	65	7.2	7.4	7.0	2.0	12.2	103
MAR 27...	1115	4920	60	64	7.4	7.5	10.5	16.0	10.2	94
APR 24...	1045	4190	92	100	7.4	7.5	14.0	14.0	8.9	89
MAY 30...	0900	3180	85	87	7.3	7.5	—	12.0	—	—
JUN 26...	0830	1700	86	89	7.4	7.4	22.0	23.0	7.0	81
JUL 24...	0915	1940	93	88	7.2	7.4	23.0	29.0	6.9	81
AUG 29...	1100	2310	112	110	7.2	7.6	24.0	24.0	6.7	81
SEP 25...	0900	815	120	114	7.4	7.5	21.5	23.0	6.8	78

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	6.0	.9	110	52	3	49	.27	.050	.390	4.0
NOV 30...	40	1.8	1300	30	8	22	.20	.030	.210	7.3
DEC 28...	110	6.6	2200	34	3	31	.36	.290	.360	6.3
JAN 24...	65	2.2	790	37	6	31	.47	.130	.140	5.2
FEB 29...	45	1.9	7000	26	2	24	.21	.050	.160	5.6
MAR 27...	14	1.5	80	26	1	25	.26	.040	.100	1.9
APR 24...	33	1.5	520	42	3	39	.37	.060	.160	4.2
MAY 30...	32	1.0	1700	28	0	36	.36	<.020	.200	13
JUN 26...	16	1.1	170	34	2	32	.29	.050	.180	3.4
JUL 24...	26	1.4	170	38	4	34	.24	.040	.140	2.6
AUG 29...	26	1.5	490	44	5	39	.26	.060	.450	4.0
SEP 25...	10	1.1	330	46	4	42	.30	.050	.340	2.5

02388300 HEATH CREEK NEAR ROME, GA.

LOCATION.—Lat 34°21'57", long 85°16'17", Floyd County, Hydrologic Unit 03150103, on upstream left wingwall of bridge on county road, 4 mi upstream from Little Armuchee Creek, and 9.5 mi northwest of Rome.

DRAINAGE AREA.—14.7 mi^2.

PERIOD OF RECORD.—May 1968 to current year.

REVISED RECORDS.—WRD GA-80-1: Drainage area. WRD GA-82-1: 1981.

GAGE.—Water-stage recorder. Datum of gage is 643.15 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Power Company).

REMARKS.—Records good.

AVERAGE DISCHARGE.—16 years, 28.4 ft^3/s, 26.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage height, 10.03 ft Mar. 4, 1979 (discharge not determined); minimum daily discharge, 1.2 ft^3/s Aug. 31 to Sept. 6, 1977, Oct. 5-7, 11, 13-21, 1978.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0515	528	6.04	Mar. 28	2400	437	5.55
Nov. 28	1115	479	5.73	Apr. 4	1200	464	5.63
Dec. 4	0015	649	6.65	May 8	0215	*714	6.97
Dec. 28	1200	543	6.12	July 31	1430	697	6.89

Minimum daily discharge, 2.0 ft^3/s Oct. 3, Sept. 24, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.9	46	56	23	53	56	38	8.9	6.1	477	3.8
2	2.4	2.9	36	47	20	44	47	49	8.3	5.0	187	3.7
3	2.0	2.9	492	38	20	36	97	179	7.8	4.5	115	3.6
4	3.7	3.9	551	32	18	51	309	182	7.4	4.2	68	3.6
5	2.6	3.2	194	29	16	62	148	95	6.9	4.3	61	3.5
6	2.3	3.0	187	26	15	56	91	65	6.5	4.1	41	3.2
7	2.3	3.0	113	21	13	47	65	75	6.4	4.8	29	3.1
8	2.3	3.0	79	18	13	39	53	623	6.2	4.7	21	3.1
9	2.3	2.9	59	16	13	33	89	353	5.9	4.1	16	2.9
10	2.3	3.1	47	143	14	29	67	91	5.7	3.8	17	3.0
11	3.0	2.9	117	145	15	26	56	63	5.5	3.7	15	3.5
12	5.8	2.8	104	85	13	22	48	49	5.5	3.5	12	4.3
13	59	2.9	74	62	77	22	40	39	5.3	3.6	9.7	2.9
14	9.0	2.9	68	49	115	19	35	31	5.2	3.8	8.7	2.7
15	5.6	64	51	41	68	17	29	23	5.4	4.0	8.0	2.5
16	3.9	15	39	35	32	26	26	19	5.1	4.0	7.3	2.4
17	3.5	9.4	34	29	40	34	25	16	4.8	4.8	6.9	2.3
18	3.1	7.6	30	102	32	33	21	14	4.7	9.4	6.4	2.3
19	3.0	6.6	26	88	28	30	27	13	4.4	5.1	6.1	2.2
20	3.0	44	23	64	24	30	37	12	4.3	4.6	6.2	2.2
21	3.1	24	20	51	20	55	32	30	4.2	4.0	5.5	2.2
22	3.1	14	40	40	21	46	31	28	4.3	18	5.4	2.1
23	5.6	76	30	38	29	37	27	16	5.9	11	4.8	2.1
24	3.7	399	25	173	21	33	23	13	5.6	5.6	4.5	2.0
25	3.2	78	21	119	19	34	20	11	5.3	4.8	4.4	2.1
26	3.1	44	19	82	17	26	18	11	4.3	4.4	4.4	2.1
27	2.9	89	26	64	140	24	35	14	4.2	3.9	4.9	2.1
28	2.9	351	400	51	103	192	44	12	3.9	27	4.7	2.0
29	2.9	106	268	42	69	256	51	18	5.5	12	4.5	2.1
30	2.8	64	104	34	—	106	46	12	6.5	271	4.4	2.1
31	2.9	---	72	26	—	73	---	9.8	—	517	4.3	---
TOTAL	159.5	1433.9	3395	1846	1068	1591	1693	2203.8	169.9	970.8	1170.1	81.7
MEAN	5.15	47.8	110	59.5	36.8	51.3	56.4	71.1	5.66	31.3	37.7	2.72
MAX	59	399	551	173	140	256	309	623	8.9	517	477	4.3
MIN	2.0	2.8	19	16	13	17	18	9.8	3.9	3.5	4.3	2.0
CFSM	.35	3.25	7.48	4.05	2.50	3.49	3.84	4.84	.39	2.13	2.57	.19
IN.	.40	3.63	8.59	4.67	2.70	4.03	4.28	5.58	.43	2.46	2.96	.21

CAL YR 1983 TOTAL 12161.1 MEAN 33.3 MAX 551 MIN 1.8 CFSM 2.27 IN 30.77
WTR YR 1984 TOTAL 15782.7 MEAN 43.1 MAX 623 MIN 2.0 CFSM 2.93 IN 39.94

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.

LOCATION.—Lat 34°21'18", long 85°15'50", Floyd County, Hydrologic Unit 03150103, on right bank 0.6 mi downstream from bridge on Antioch Road, 3.4 mi upstream from Little Armuchee Creek, and 9.7 mi northwest of Rome.

DRAINAGE AREA.—16.6 mi^2.

PERIOD OF RECORD.—March 1982 to current year.

GAGE.—Water-stage recorder. Datum of gage is 637.00 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Power Company).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 900 ft^3/s May 8, 1984, gage height, 8.10 ft; minimum daily discharge, 1.9 ft^3/s Aug. 24-28, 30, 1983.

EXTREMES FOR CURRENT YEAR.—Peak discharge above base of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0100	575	6.36	Mar. 28	2145	489	5.84
Nov. 28	0545	493	5.87	Apr. 4	1145	490	5.85
Dec. 3	2245	687	6.99	May 8	0030	*900	8.10
Dec. 28	0945	575	6.36	July 31	1415	801	7.60

Minimum daily discharge, 2.4 ft^3/s Sept. 26-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.3	48	63	31	59	60	38	11	6.6	492	4.4
2	3.0	3.3	39	52	26	48	47	46	10	5.6	205	4.2
3	2.9	3.4	534	43	26	39	104	187	9.4	5.2	118	4.2
4	4.8	4.5	548	36	24	32	334	191	8.8	4.9	67	4.2
5	3.7	3.8	205	33	21	66	164	97	8.2	4.8	60	4.0
6	3.4	3.5	200	30	19	63	99	67	7.8	4.6	37	3.8
7	3.2	3.3	117	25	17	50	71	75	7.5	5.4	27	3.7
8	2.9	3.3	85	22	16	42	56	711	7.3	5.1	21	3.6
9	2.9	3.2	63	20	16	36	100	347	6.9	4.7	17	3.4
10	2.9	3.3	49	150	16	31	77	91	6.7	4.5	17	3.4
11	4.4	3.2	123	155	18	28	64	61	6.5	.4	16	3.6
12	7.6	3.2	107	95	16	25	54	45	6.5	4.3	13	4.3
13	62	3.2	79	72	81	24	45	35	6.3	4.3	11	3.4
14	8.8	3.2	73	57	120	22	39	29	6.1	4.4	9.6	3.1
15	5.6	75	53	48	77	19	33	23	6.2	4.5	8.7	3.0
16	4.2	19	40	42	58	26	29	20	6.0	4.4	8.0	2.8
17	3.7	11	34	35	45	33	28	17	5.7	5.1	7.5	2.8
18	3.4	8.1	30	112	36	31	25	16	5.5	9.1	7.0	2.7
19	3.0	6.7	27	100	31	28	28	14	5.3	5.2	6.6	2.6
20	3.0	51	24	78	27	49	37	13	5.2	4.8	6.6	2.8
21	3.2	29	22	62	24	56	32	31	5.1	4.5	6.0	2.7
22	3.2	17	39	50	23	45	31	26	5.2	13	5.6	2.6
23	5.6	95	29	47	31	37	29	17	6.5	11	5.4	2.6
24	4.2	424	26	185	23	32	26	15	6.3	5.9	5.0	2.5
25	3.6	87	22	133	22	35	23	13	6.0	5.1	4.9	2.5
26	3.6	49	20	97	20	28	21	12	5.2	4.7	4.9	2.4
27	3.4	97	24	78	143	24	34	15	5.0	4.4	5.5	2.4
28	3.3	388	424	62	108	206	45	13	4.7	20	5.3	2.4
29	3.3	115	279	50	77	276	50	19	5.9	12	5.4	2.5
30	3.3	71	110	41	—	116	46	14	6.7	281	5.1	2.6
31	3.3	—	80	35	—	80	—	12	—	564	4.7	—
TOTAL	178.3	1590.5	3553	2108	1192	1686	1831	2310	199.5	1027.5	1212.8	95.2
MEAN	5.75	53.0	115	68.0	41.1	54.4	61.0	74.5	6.65	33.1	39.1	3.17
MAX	62	424	548	185	143	276	334	711	11	564	492	4.4
MIN	2.9	3.2	20	20	16	19	21	12	4.7	4.3	4.7	2.4
CFSM	.35	3.19	6.93	4.10	2.48	3.28	3.68	4.49	.40	1.99	2.36	.19
IN.	.40	3.56	7.96	4.72	2.67	3.78	4.10	5.18	.45	2.30	2.72	.21

CAL YR 1983 TOTAL 13887.1 MEAN 38.0 MAX 548 MIN 1.9 CFSM 2.29 IN 31.12
WTR YR 1984 TOTAL 16983.8 MEAN 46.4 MAX 711 MIN 2.4 CFSM 2.80 IN 38.06

02388500 OOSTANAULA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°18'02", long 85°08'30", Floyd County, Hydrologic Unit 03150103, on left bank 1.2 mi upstream from Dry Creek, 4.5 mi north of Rome, 4.5 mi upstream from confluence with Etowah River, and 6.5 mi downstream from Armuchee Creek.

DRAINAGE AREA.--2,120 mi^2.

PERIOD OF RECORD.--October 1939 to current year, in reports of the U.S. Geological Survey. Gage-height records collected at site 4.2 mi downstream since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft, National Geodetic Vertical Datum of 1929. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

REMARKS.--Records good. Flow regulated by Carters Lake and re-regulation dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-75, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--45 years, 3,689 ft^3/s, 23.63 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,000 ft^3/s Jan. 23, 1947; maximum gage height, 35.13 ft Jan. 22, 1947; minimum daily discharge, 408 ft^3/s Oct. 25, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,000 ft^3/s May 9; maximum gage height, 27.95 ft May 9 (backwater from Etowah River); minimum daily discharge, 547 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	671	683	9560	14000	4290	11800	13100	6890	3040	3250	16500	1940
2	571	687	5250	8720	3490	9770	8580	5920	2970	2150	12700	1670
3	556	710	9580	5420	3210	7210	7460	9560	2780	1700	9300	1480
4	588	756	17400	4810	3200	5790	10900	16500	2570	2100	6520	1760
5	615	794	20400	4590	3090	4980	18300	17600	2370	2200	7230	1720
6	642	778	18500	4420	2840	5270	16300	16400	2360	2130	6660	1620
7	595	729	17100	4240	2700	5280	14900	15800	2300	3110	6340	1510
8	601	760	18500	3530	2720	5010	13000	21500	2280	4420	5050	1400
9	547	750	14400	3000	2640	4950	7990	25100	2280	4610	4150	1200
10	553	746	7200	4360	2630	4790	7170	21600	2090	4130	3120	1110
11	647	740	6490	9700	2860	4260	8350	16000	1720	2630	3100	1140
12	639	738	9520	10700	2860	3680	7340	15300	1570	2120	2770	1190
13	1120	658	10500	8600	5540	3490	5860	11100	1610	1970	2440	1370
14	1250	633	10300	6110	12000	3490	5220	7760	1840	1920	2180	1860
15	1520	1280	8480	5340	13500	3370	4600	6930	1980	1840	2420	2930
16	1460	2350	6970	4550	12800	3330	4010	6780	2010	1640	2490	1670
17	1190	1990	5960	3890	11200	3790	3640	5650	1810	1710	2550	1020
18	1120	1810	4800	4990	7190	4000	3660	4660	1710	2380	2180	872
19	1130	1590	4150	7060	5400	3850	3610	4320	1510	2550	1740	858
20	1060	1730	3920	7500	4640	4440	3650	4030	1510	2640	1570	844
21	920	2630	3810	5910	4100	7140	4270	3410	1520	2490	1500	826
22	756	3040	3730	4920	3910	10700	4820	3620	1650	2070	1600	831
23	669	2940	3980	4150	4620	11800	4490	3560	1540	2050	1590	868
24	663	9120	4000	6650	6730	9820	4350	3300	1590	2010	1550	822
25	720	11400	3270	10500	7650	7570	4600	3100	1690	1970	1540	850
26	786	9930	3730	11600	6730	6550	4380	3180	1620	1820	1280	885
27	772	6440	3930	10500	7910	5560	4120	4080	1740	2010	1660	872
28	738	11000	8890	7680	11500	6980	4680	4390	1650	2870	3200	815
29	688	13800	17700	6400	11700	14300	7950	3800	1620	5260	2400	879
30	656	12000	18400	5350	---	15200	8280	4100	2620	9420	2130	824
31	630	---	15700	4770	---	14700	---	3430	---	13000	2210	---
TOTAL	25073	103412	296120	203960	173650	212870	219580	281370	59550	96170	121700	37636
MEAN	809	3447	9552	6579	5988	6867	7319	9076	1985	3102	3926	1255
MAX	1520	13800	20400	14000	13500	15200	18300	25100	3040	13000	16500	2930
MIN	547	633	3270	3000	2630	3330	3610	3100	1510	1640	1280	815

CAL YR 1983 TOTAL 1517601 MEAN 4158 MAX 20600 MIN 547 MEAN† 4163 CFSM† 1.97 IN† 26.72
WTR YR 1984 TOTAL 1831091 MEAN 5003 MAX 25100 MIN 547 MEAN† 5000 CFSM† 2.36 IN† 32.18

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02388520 OOSTANAULA RIVER AT ROME, GA.

LOCATION.--Lat 34°16'13", long 85°10'24", Floyd County, Hydrologic Unit 03150103, at Southern Railway bridge at pumping station at city of Rome waterworks, 1.2 mi upstream from confluence with Etowah River.
DRAINAGE AREA.--2,150 mi^2, approximately.
PERIOD OF RECORD.--August 1974 to current year.
REMARKS.--Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Discharge obtained from gaging station 02388500, Oostanaula River near Rome, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 25...	0930	555	140	7.3	7.3	16.0	16.0	6.0	62
NOV 29...	1000	14400	69	7.1	7.2	12.0	4.0	8.9	84
DEC 29...	1145	18200	55	6.8	7.1	2.0	-3.0	12.5	92
JAN 25...	1430	11800	99	7.3	7.2	5.5	10.5	11.3	92
FEB 28...	1215	11700	77	7.3	7.4	8.5	1.0	10.2	90
MAR 28...	0945	6170	79	7.4	7.4	11.5	15.5	9.7	91
APR 23...	1015	4460	107	7.3	7.6	14.5	17.5	8.7	88
MAY 29...	1345	4320	91	7.3	7.3	20.0	19.0	7.1	79
JUN 27...	0945	1780	127	7.3	7.5	24.5	32.0	5.7	69
JUL 25...	1200	2360	111	7.0	7.5	24.0	34.0	6.1	73
AUG 30...	1330	2460	134	7.4	7.6	24.0	28.5	7.6	91
SEP 26...	1430	1010	148	7.3	7.6	23.0	29.5	6.2	73

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, CONFIRMED (MPN)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 25...	7.0	--	.9	--	1300	50	3	47	7
NOV 29...	60	--	1.8	--	--	24	1	23	72
DEC 29...	85	--	4.7	490000	4900	20	0	21	138
JAN 25...	55	--	1.4	18000	1100	38	7	31	46
FEB 28...	95	--	1.9	17000	3300	34	6	28	100
MAR 28...	16	--	1.2	--	2000	30	0	30	26
APR 23...	33	--	1.9	79000	1100	46	7	39	50
MAY 29...	80	--	--	33000	4900	48	11	37	100
JUN 27...	11	--	1.1	14000	140	52	5	47	19
JUL 25...	16	--	1.2	--	1300	42	2	40	--
AUG 30...	12	11	.9	--	--	54	6	48	24
SEP 26...	7.0	9	1.0	1300	110	58	6	52	15

02388520 OOSTANAULA RIVER AT ROME, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
25...	.40	.080	—	—	—	.580	5.2
NOV							
29...	.29	.050	—	—	—	.260	6.7
DEC							
29...	.26	.150	—	—	—	.280	6.6
JAN							
25...	.43	.090	—	—	—	.180	6.6
FEB							
28...	.31	.060	—	—	—	.220	7.0
MAR							
28...	.28	.060	—	—	—	.100	3.6
APR							
23...	.31	.070	—	—	—	.600	8.6
MAY							
29...	.41	.040	—	—	—	.160	7.9
JUN							
27...	.45	.080	—	—	—	.260	3.0
JUL							
25...	.38	.050	—	—	—	.200	3.9
AUG							
30...	.53	.030	.15	.20	.73	.330	3.6
SEP							
26...	.42	.090	.31	.40	.82	.450	2.8

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi^2, approximately.

PERIOD OF RECORD.--October 1939 to current year. October 1971 to current year in reports of U.S. Geological Survey. Gage-height records since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Carters Lake and re-regulation dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).

EXTREMES FOR PERIOD OF RECORD.--Since October 1939, maximum gage height, 34.5 ft Jan. 22, 1947. From 1890 to September 1939, maximum gage height, 37.2 ft Jan. 15, 1892.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1834, 40.3 ft in April 1886, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.61 ft Dec. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.26	4.20	14.28	17.73	10.76	16.05	13.99	12.12	9.71	6.06	22.21	7.40
2	3.05	4.26	11.06	14.60	9.99	14.81	11.31	11.30	8.96	5.06	19.17	6.60
3	2.95	4.27	15.21	11.77	9.82	12.32	13.36	17.13	5.86	6.44	14.78	4.60
4	3.99	4.38	22.27	11.19	9.12	8.58	15.16	23.08	5.73	6.81	14.58	6.63
5	4.19	4.42	22.13	10.97	6.32	8.41	19.10	21.48	7.65	6.92	14.79	6.56
6	4.34	3.38	21.37	10.82	6.20	10.47	18.76	19.84	7.65	6.93	14.00	6.45
7	4.02	3.30	24.11	10.35	6.74	10.36	17.01	20.31	7.71	7.72	12.93	6.33
8	4.31	4.37	21.58	8.75	6.65	10.11	13.93	22.76	7.55	7.19	12.55	6.23
9	3.21	4.40	18.81	8.64	6.57	10.04	10.95	22.86	7.43	7.22	11.84	4.18
10	3.01	4.40	14.89	10.82	6.59	9.27	11.63	21.27	5.[illegible]	7.95	10.91	4.07
11	4.33	4.39	14.44	15.34	6.69	7.07	12.14	18.90	4.78	7.09	9.29	5.44
12	4.65	4.38	15.46	15:49	5.90	6.69	11.31	17.08	6.08	6.92	5.82	6.05
13	6.31	3.22	17.52	13.99	8.70	7.21	10.33	15.65	6.17	6.99	5.50	6.33
14	5.28	3.18	17.16	11.41	14.85	7.20	9.46	13.22	6.32	6.88	7.37	6.61
15	5.39	5.1[illegible]	15.90	8.14	15.53	7.11	7.42	12.44	6.61	4.93	8.06	7.13
16	4.21	6.18	14.62	8.09	14.95	7.14	7.18	12.29	6.41	4.64	8.11	4.65
17	3.86	6.48	13.83	10.41	13.86	7.50	8.50	12.11	4.80	6.31	8.15	3.96
18	4.25	6.28	12.76	11.44	10.75	7.06	8.54	11.60	4.71	8.37	7.64	3.95
19	4.28	5.98	12.15	13.89	8.24	6.95	8.53	10.25	5.58	8.98	4.92	3.72
20	4.21	[illegible].59	11.86	13.88	7.98	7.59	9.48	6.86	6.42	8.59	4.61	3.68
21	4.06	5.01	10.86	11.80	9.73	13.88	11.35	5.89	5.33	7.40	5.46	4.14
22	3.35	7.14	10.69	7.92	9.57	16.88	8.67	9.85	5.00	5.20	5.47	4.14
23	3.28	7.23	10.58	7.82	10.30	16.33	8.09	9.81	4.48	5.05	5.47	3.67
24	3.27	[illegible].18	10.32	13.10	11.76	14.30	9.24	9.54	4.56	6.64	5.44	3.69
25	3.86	5.62	10.15	16.84	11.96	10.06	10.04	9.36	4.72	7.09	6.28	5.04
26	3.41	[illegible].74	8.45	17.00	9.34	9.74	9.83	8.83	4.58	6.56	4.26	5.09
27	3.86	9.07	10.22	16.04	10.71	11.19	10.25	6.81	5.28	7.51	4.52	5.04
28	3.56	12.90	16.15	13.19	15.29	13.31	10.58	7.36	5.15	9.09	6.80	4.61
29	3.75	17.41	21.86	9.27	16.05	18.52	11.77	9.98	5.52	8.12	6.48	5.03
30	3.20	15.93	20.11	9.02	---	18.31	11.92	11.21	6.19	13.68	8.36	3.59
31	3.12	---	18.38	11.06	---	17.23	---	9.97	---	20.79	8.07	---
MEAN	3.96	6.98	15.49	11.96	10.03	11.02	11.33	13.62	6.07	7.58	9.15	5.15
MAX	6.31	17.41	24.11	17.73	16.05	18.52	19.10	23.08	9.71	20.79	22.21	7.40
MIN	2.95	3.18	8.45	7.82	5.90	6.69	7.18	6.81	4.48	4.64	4.26	3.59

CAL YR 1983 MEAN 8.23 MAX 24.11 MIN 2.95
WTR YR 1984 MEAN 9.38 MAX 24.11 MIN 2.95

02389000 ETOWAH RIVER NEAR DAWSONVILLE, GA.

LOCATION.--Lat 34°22'37", long 84°03'21", Dawson County, Hydrologic Unit 03150104, on left bank 0.4 mi upstream from Palmer Creek, 0.5 mi upstream from bridge on State Highway 53, 1.2 mi downstream from Russell Creek, 4 mi southeast of Dawsonville and 7.5 mi upstream from Shoal Creek.

DRAINAGE AREA.--107 mi², revised.

PERIOD OF RECORD.--November 1970 to current year. Water-discharge records for water years 1940-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR 05...	0700	760	16	14	6.7	6.6	11.5	10.0	97
AUG 15...	0700	270	22	22	7.1	6.7	21.0	7.8	92

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)
APR 05...	25	20	5	0	1.0	.52	1.1	31	.2	.60	6.0	2.3
AUG 15...	3	7.2	6	0	1.4	.67	1.4	30	.3	.80	9.0	1.4

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER DAY)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
APR 05...	1.9	1.1	<.10	6.6	27	17	55	.04	<.10	<.10	<.010	<.010
AUG 15...	1.1	1.2	<.10	8.8	21	21	15	.03	.10	.13	.020	.030

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)
APR 05...	--	--	.50	.20	--	<.010	<.010	1.5	30	1	<1
AUG 15...	.38	.17	.40	.20	.50	.020	<.010	1.2	10	<1	<1

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)
APR 05...	<1	10	<1	78	4	1	7	<.1	<.1	<1	7
AUG 15...	<1	<10	1	89	5	5	16	.2	<.1	<1	13

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, on left bank 100 ft downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi upstream from Canton Creek, and 1.8 mi downstream from Hickory Log Creek.

DRAINAGE AREA.--613 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1892 to December 1905 (prior to 1896, gage heights only), October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1946(M). WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft, National Geodetic Vertical Datum of 1929. March 1892 to December 1905, nonrecording gage at site 100 ft upstream at datum 2.0 ft higher. Mar. 16, 1937, to Jan. 17, 1939, nonrecording gage at site 100 ft upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station.

REMARKS.--Records good.

AVERAGE DISCHARGE.--57 years (1896-1905, 1936-84), 1,260 ft^3/s, 27.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,300 ft^3/s Jan. 7, 1946, gage height, 26.7 ft; minimum, 178 ft^3/s Sept. 29, 30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known, 36,700 ft^3/s in January 1892, gage height, 25.0 ft, present datum, from National Weather Service.

Maximum stage known since at least 1892, that of Jan. 7, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 6	1200	9380	14.78	Dec. 28	2400	6940	12.00
Dec. 7	0200	*12800	18.05	May 4	0400	8380	13.67
Dec. 12	0700	7380	12.52	July 31	1200	7300	12.42

Minimum discharge, 456 ft^3/s Oct. 10, 11, gage height, 1.92.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	475	502	1450	1940	1660	2640	2300	2220	1710	1630	4690	932
2	472	503	1220	1780	1610	2280	2150	2180	1660	1340	5630	879
3	471	499	3480	1670	1590	2100	2530	4830	1590	1220	3900	898
4	469	620	8410	1600	1660	1970	3090	6970	1520	1140	2910	885
5	502	687	4290	1540	1590	1930	3460	3880	1480	1160	2430	875
6	565	587	9540	1500	1540	2020	2800	3080	1440	1450	2020	825
7	507	547	9140	1440	1470	1880	2450	2710	1420	1940	1760	798
8	472	532	3720	1390	1440	1770	2260	3230	1390	1990	1570	781
9	464	525	2850	1350	1420	1700	2550	3650	1350	1390	1480	761
10	458	526	2300	1840	1440	1670	3150	2990	1300	1190	1380	753
11	465	539	3450	3280	1600	1650	2610	2720	1290	1100	1450	749
12	503	533	6310	2240	1530	1640	2380	2520	1330	1120	1440	741
13	862	515	3640	1840	1970	1690	2250	2360	1340	1040	1640	721
14	1010	511	2770	1680	4190	1750	2180	2260	1290	1240	1600	688
15	715	828	2360	1590	3010	1670	2160	2140	1270	1250	1390	677
16	598	1660	2030	1540	2270	1720	2080	2040	1230	1080	1250	667
17	551	1000	1840	1480	2010	1950	2050	1960	1200	1050	1220	661
18	530	780	1690	1740	1850	2160	2040	1900	1140	3220	1210	661
19	523	693	1590	2720	1750	2000	2040	1850	1100	2100	1190	683
20	520	1160	1500	2090	1730	2670	2380	1820	1090	1390	1110	694
21	514	1960	1430	1790	1650	5780	2570	1810	1110	1280	1090	688
22	512	1240	1770	1630	1610	3470	2360	2070	1370	1260	1090	661
23	690	1030	2040	1550	2110	2650	3120	2010	1220	2600	1030	634
24	1100	4390	1540	3100	2210	2200	2640	1870	1190	1610	991	618
25	795	3550	1320	4710	1900	2170	2280	1800	1230	1310	966	612
26	661	1850	1200	2940	1750	2040	2110	1760	1120	1280	948	607
27	604	1360	1230	2390	3140	1930	2120	1750	1030	1470	962	596
28	567	3040	4070	2130	4560	2970	2170	1820	1020	2120	1110	580
29	541	3310	5280	1960	3410	4500	2220	2670	1650	1970	1090	586
30	521	1860	3070	1830	---	3280	2120	2170	3480	3640	1270	618
31	507	---	2240	1730	---	2560	---	1820	---	6360	1010	---
TOTAL	18144	37337	98770	62010	59670	72410	72620	78860	41560	53940	52827	21529
MEAN	585	1245	3186	2000	2058	2336	2421	2544	1385	1740	1704	718
MAX	1100	4390	9540	4710	4560	5780	3460	6970	3480	6360	5630	932
MIN	458	499	1200	1350	1420	1640	2040	1750	1020	1040	948	580
CFSM	.95	2.03	5.20	3.26	3.36	3.81	3.95	4.15	2.26	2.84	2.78	1.17
IN.	1.10	2.27	5.99	3.76	3.62	4.39	4.41	4.79	2.52	3.27	3.21	1.31

CAL YR 1983 TOTAL 548599 MEAN 1503 MAX 9540 MIN 357 CFSM 2.45 IN 33.29
WTR YR 1984 TOTAL 669677 MEAN 1830 MAX 9540 MIN 458 CFSM 2.99 IN 40.64

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	2.00	3.67	4.48	4.01	5.60	5.07	4.95	4.11	3.97	8.93	2.89
2	1.99	2.01	3.29	4.22	3.93	5.05	4.84	4.88	4.02	3.48	10.37	2.80
3	1.98	2.00	6.92	4.04	3.91	4.76	5.42	8.82	3.90	3.30	7.73	2.83
4	1.96	2.22	13.69	3.91	4.02	4.53	6.31	11.95	3.78	3.15	6.10	2.81
5	2.01	2.35	8.25	3.82	3.90	4.47	6.93	7.83	3.72	3.18	5.38	2.79
6	2.14	2.16	14.54	3.75	3.82	4.61	5.85	6.50	3.65	3.67	4.72	2.70
7	2.02	2.09	14.02	3.66	3.71	4.39	5.31	5.91	3.62	4.48	4.28	2.65
8	1.95	2.06	7.37	3.57	3.65	4.21	5.01	6.77	3.57	4.56	3.98	2.62
9	1.94	2.05	5.94	3.50	3.63	4.09	5.47	7.67	3.50	3.56	3.82	2.58
10	1.92	2.05	5.07	4.31	3.65	4.03	6.42	6.25	3.43	3.24	3.67	2.57
11	1.94	2.07	6.88	6.64	3.92	4.00	5.56	5.73	3.41	3.09	3.76	2.56
12	2.02	2.06	11.16	4.97	3.80	3.99	5.21	5.41	3.47	3.13	3.76	2.55
13	2.55	2.03	7.23	4.33	4.53	4.06	5.00	5.18	3.49	2.99	4.09	2.51
14	2.92	2.02	5.81	4.06	8.15	4.17	4.88	5.01	3.40	3.31	4.01	2.45
15	2.40	2.59	5.17	3.90	6.20	4.04	4.85	4.82	3.37	3.34	3.67	2.43
16	2.18	4.02	4.64	3.81	5.03	4.12	4.72	4.65	3.31	3.05	3.44	2.41
17	2.10	2.91	4.31	3.73	4.60	4.50	4.67	4.51	3.25	3.00	3.39	2.40
18	2.06	2.52	4.07	4.15	4.33	4.86	4.65	4.42	3.16	6.56	3.36	2.42
19	2.04	2.36	3.90	5.73	4.17	4.58	4.64	4.34	3.10	4.74	3.33	2.48
20	2.04	3.17	3.75	4.73	4.13	5.66	5.21	4.28	3.05	3.57	3.20	2.52
21	2.03	4.53	3.62	4.24	4.00	10.51	5.50	4.27	3.11	3.39	3.16	2.53
22	2.02	3.33	4.20	3.97	3.93	6.96	5.17	4.69	3.55	3.35	3.17	2.50
23	2.35	2.96	4.65	3.83	4.77	5.62	6.37	4.60	3.30	5.54	3.07	2.47
24	3.08	8.39	3.99	6.34	4.93	4.92	5.61	4.37	3.25	3.94	3.00	2.46
25	2.54	7.08	3.45	8.93	4.42	4.86	5.05	4.25	3.30	3.44	2.95	2.45
26	2.30	4.33	3.25	6.08	4.16	4.66	4.78	4.17	3.12	3.38	2.92	2.44
27	2.19	3.53	3.30	5.22	6.43	4.47	4.78	4.17	2.97	3.70	2.94	2.42
28	2.13	6.28	7.80	4.81	8.76	6.15	4.86	4.29	2.95	4.77	3.20	2.39
29	2.08	6.71	9.74	4.52	5.86	8.25	4.95	5.64	3.99	4.53	3.17	2.40
30	2.04	4.36	6.29	4.31	---	6.42	4.78	4.86	6.97	7.24	3.46	2.46
31	2.01	---	4.97	4.13	---	5.47	---	4.28	---	11.26	3.03	---
MEAN	2.16	3.27	6.29	4.57	4.67	5.10	5.26	5.47	3.56	4.13	4.16	2.55
MAX	3.08	8.39	14.54	8.93	8.76	10.51	6.93	11.95	6.97	11.26	10.37	2.89
MIN	1.92	2.00	3.25	3.50	3.63	3.99	4.64	4.17	2.95	2.99	2.92	2.39

CAL YR 1983 MEAN 3.87 MAX 14.70 MIN 1.75
WTR YR 1984 MEAN 4.27 MAX 14.54 MIN 1.92

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1971 to September 1976.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 26.°C July 24, 1972; minimum recorded, 2.5°C Dec. 26, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCF LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
25...	0615	837	34	35	7.2	7.0	14.0	12.5	9.1	92
JAN										
24...	1015	2290	35	33	7.1	7.0	4.0	9.5	12.3	97
APR										
23...	0645	3110	32	34	7.0	7.0	13.0	12.0	9.4	93
JUL										
24...	0600	1740	36	37	6.9	7.0	20.0	21.0	7.9	88

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
25...	14	1.1	1100	14	.09	.030	.040	4.5
JAN								
24...	40	1.5	330	11	.33	.090	.030	1.9
APR								
23...	40	1.5	2200	11	.26	.060	.190	4.1
JUL								
24...	70	1.5	3300	12	.23	.040	.180	7.2

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.

LOCATION.--Lat 34°09'47", long 84°44'28", Bartow County, Hydrologic Unit 03150104, on right bank 0.8 mi downstream from Allatoona Dam, 2 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3 mi east of Cartersville.

DRAINAGE AREA.--1,120 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.--WSP 1032: 1944. WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)

AVERAGE DISCHARGE.--46 years, 1,948 ft³/s, 23.62 in/yr, adjusted for storage since 1950.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s Jan. 8, 1946, gage height, 20.8 ft, from rating curve extended above 26,000 ft³/s: minimum daily, 132 ft³/s Oct. 15, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,980 ft³/s Dec. 2, gage height, 7.33 ft; minimum daily, 288 ft³/s Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	297	1660	5450	5710	5580	5330	348	3500	5810	342	3450	3210
2	298	1640	5470	5730	5580	5380	5510	4910	433	3090	1480	342
3	1470	1650	370	5760	5620	349	4880	3900	429	3160	4980	3250
4	1650	1670	345	5780	449	336	4160	1280	3880	3170	7510	3200
5	1880	337	334	5800	456	3770	4150	3880	3900	3190	7570	3200
6	1490	331	4490	5850	1690	3750	4160	6820	4160	2960	7490	3200
7	1880	1640	1320	3680	1660	3760	374	7940	3890	370	7530	3200
8	548	1650	3270	3680	1660	3830	379	2760	3960	370	7500	334
9	322	1660	5920	5320	1630	3800	3390	1530	471	2230	7520	333
10	1980	1670	8280	5350	1680	343	3100	1550	401	3070	7570	2380
11	1990	1680	5900	5340	430	363	2840	2850	2610	3350	534	3150
12	4690	344	6550	5450	381	1610	3120	5430	2660	3370	306	3420
13	2030	342	8230	5230	1360	1550	3120	5370	2650	3340	3330	3440
14	1990	2000	8290	309	1380	1580	392	5290	2960	367	4370	2520
15	324	2000	8290	306	2650	1680	396	5310	2650	361	4380	324
16	314	2880	8300	5760	2650	1610	3230	5630	408	2870	4320	324
17	955	2960	8380	5840	2690	358	3240	6680	417	2860	4380	545
18	985	2960	8480	5910	435	322	3220	6840	2010	3490	327	324
19	983	343	8390	5890	419	960	3210	529	3360	4730	327	324
20	1000	349	8470	5950	4370	795	3220	446	1580	3850	1730	946
21	333	2460	6620	431	4360	4640	400	5460	966	316	1650	950
22	334	2510	6200	397	4340	5990	405	5470	398	316	1690	324
23	335	2540	5730	5170	4390	5490	1940	5490	398	2870	1700	319
24	994	2530	5540	5200	4400	346	3920	5480	393	3680	3070	2350
25	341	2480	4250	5810	340	355	3950	5500	389	2870	334	2330
26	954	342	5570	5950	350	4810	4910	453	1340	4180	334	2360
27	632	344	5780	5880	1330	5570	4950	396	1290	4140	1800	1650
28	989	5450	3640	367	3700	4890	419	3470	1290	338	2000	2340
29	336	5380	1640	369	5320	4270	442	3870	979	328	2000	288
30	332	5420	3650	5470	---	5010	3490	4820	393	3170	4030	289
31	1630	---	5720	5530	---	401	---	5800	---	1530	4040	---
TOTAL	34286	59222	168869	139219	71300	83248	81263	128654	56475	74278	109252	51166
MEAN	1106	1974	5447	4491	2459	2685	2709	4150	1883	2396	3524	1706
MAX	4690	5450	8480	5950	5620	5990	5510	7940	5810	4730	7570	3440
MIN	297	331	334	306	340	322	348	396	389	316	306	288
MEAN†	753	2129	6067	2881	3427	3490	3670	4191	1843	2899	2673	983
CFSM†	.67	1.90	5.42	2.57	3.06	3.11	3.28	3.75	1.65	2.59	2.39	.88
IN†	.78	2.12	6.25	2.97	3.30	3.57	3.66	4.32	1.84	2.99	2.75	.98

CAL YR 1983 TOTAL 871660 MEAN 2388 MAX 8480 MIN 296 MEAN† 2503 CFSM† 2.24 IN† 30.36
WTR YR 1984 TOTAL 1057232 MEAN 2889 MAX 8480 MIN 288 MEAN† 2922 CFSM† 2.61 IN† 35.54

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
29...	0715	955	44	46	7.1	7.3	11.5	.0	8.7	82
JAN										
24...	1130	8680	35	37	7.1	7.1	3.5	9.0	11.8	91
MAR										
27...	0840	8130	34	37	7.0	7.2	9.0	20.0	10.2	90
MAY										
29...	0915	5700	38	36	6.8	6.8	16.5	16.0	8.0	83
JUL										
24...	0730	315	43	42	6.8	6.7	22.0	22.0	4.0	46
SEP										
25...	0645	297	48	45	6.7	6.7	23.0	19.0	5.4	64

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
NOV											
29...	7.0	.5	—	17	15	.17	.070	.090	3.0	240	<50
JAN											
24...	20	1.6	<20	13	4	.34	.130	.030	2.0	930	60
MAR											
27...	9.0	1.2	<20	13	4	.28	.050	<.020	1.6	450	<20
MAY											
29...	38	—	110	13	70	.35	<.020	.060	4.5	2200	95
JUL											
24...	3.0	1.3	20	15	<1	.19	.080	<.020	1.5	170	110
SEP											
25...	5.0	1.2	70	16	<1	.10	.080	<.020	2.1	290	95

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.

LOCATION.—Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at Harden Bridge on county road, 1,000 ft downstream from Ashpole Creek, and 3 mi north of Euharlee.

DRAINAGE AREA.—1,610 mi^2, revised.

PERIOD OF RECORD.—August 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Allatoona Reservoir. (See "Lakes and Reservoirs in Mobile River Basin", station 02393500.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
25...	0730	960	66	70	7.4	7.3	18.0	14.0	7.8	85
NOV										
29...	0800	2200	62	67	7.3	7.5	12.0	-2.0	9.4	90
DEC										
29...	1300	4800	—	61	6.9	7.2	3.5	-3.0	12.0	92
JAN										
25...	1645	9600	47	49	7.3	6.9	5.0	9.5	11.9	96
FEB										
28...	1000	3400	65	70	7.3	7.4	8.0	4.5	10.3	91
MAR										
28...	1115	5700	72	69	7.4	7.4	12.0	18.5	9.7	94
APR										
23...	0815	2300	97	102	7.3	7.6	15.0	18.0	8.6	89
MAY										
29...	1015	4600	67	64	7.1	7.1	19.0	18.0	7.7	84
JUN										
27...	1315	720	118	120	7.6	7.8	22.5	34.0	8.9	105
JUL										
25...	1345	850	114	106	7.1	7.5	24.0	34.0	8.2	99
AUG										
30...	1500	4500	60	52	7.0	7.0	22.0	31.0	7.1	82
SEP										
26...	1600	4520	70	82	7.4	7.5	22.5	29.0	8.4	98

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
25...	8.0	.6	220	26	1	25	11	.16	.060	.040	2.4
NOV											
29...	25	1.0	—	20	0	25	35	.21	.060	.120	3.3
DEC											
29...	85	2.8	1100	22	1	21	150	.24	.120	.190	5.6
JAN											
25...	35	.8	330	18	2	16	31	.49	.080	.050	2.9
FEB											
28...	100	2.3	2300	32	8	24	133	.33	.060	.150	6.9
MAR											
28...	120	1.4	3300	30	2	28	191	.29	.100	.170	6.5
APR											
23...	55	1.4	3900	42	4	38	62	.31	.050	.130	4.3
MAY											
29...	310	—	31500	26	1	25	592	.31	.030	.440	7.6
JUN											
27...	7.0	.6	110	50	8	42	2	.34	.030	.040	1.8
JUL											
25...	7.0	1.0	170	42	4	38	22	.36	.060	.040	2.4
AUG											
30...	140	2.5	—	16	0	16	224	.19	.040	.200	12
SEP											
26...	7.0	.7	330	32	0	32	17	.23	.150	.080	1.7

02395000 ETOWAH RIVER NEAR KINGSTON, GA.

LOCATION.--Lat 34°12'24", long 84°58'44", Bartow County, Hydrologic Unit 03150104, on downstream side of center pier of bridge on U.S. Highway 411, 1 mi upstream from Two Run Creek, 1.5 mi upstream from Connesena Creek, and 2.5 mi southwest of Kingston.

DRAINAGE AREA.--1,630 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304, 1734.

REVISED RECORDS.--WSP 1304: 1929-30.

GAGE.--Water-stage recorder. Datum of gage is 609.97 ft, National Geodetic Vertical Datum of 1929 (Dixie Construction Co. benchmark). Prior to Aug. 11, 1928, nonrecording gage, Aug. 11, 1928, to Dec. 28, 1931, water-stage recorder, Nov. 16, 1936, to June 15, 1937, nonrecording gage, and June 16, 1937, to June 27, 1960, water-stage recorder, all 500 ft upstream at same datum.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.) Records of chemical analyses for the water years 1970-73 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--51 years, 2,623 ft^3/s, 21.85 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,700 ft^3/s Apr. 9, 1938, gage height, 27.7 ft; minimum daily, 263 ft^3/s Oct. 19, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 31 ft Dec. 11, 1919, from information by local resident, discharge, 52,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,000 ft^3/s Dec. 6, gage height, 15.80 ft; minimum daily, 460 ft^3/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	1790	5690	6420	6170	6310	1470	5200	6480	994	7560	4140
2	460	1790	5470	6950	6080	6170	4030	6210	3490	1740	4710	2120
3	1680	1780	5410	6330	6190	3180	6670	11400	1260	3750	5180	2470
4	1510	1830	8570	6270	3590	1350	5570	10100	3230	3470	8300	3510
5	1780	1610	3880	6230	1400	3260	5660	6460	4390	3510	7990	3470
6	1620	554	8990	6250	2020	4600	5350	7370	4420	3550	7850	3490
7	1660	944	11000	4530	2510	4510	3350	8880	4630	2670	7780	3400
8	1360	1850	5090	4240	2450	4540	1410	6600	4450	986	7700	1970
9	740	1860	6560	5370	2440	4440	2860	3000	2320	1890	7650	795
10	1030	1860	8420	6280	2510	2440	4650	3180	1000	2650	7610	1660
11	2320	1880	8500	7360	1940	1120	4220	3460	1740	3450	3430	3350
12	4080	1430	9000	6470	1180	1770	3860	5580	3160	3710	1010	3610
13	2760	551	9410	6160	2230	2390	4050	6090	3190	3820	2620	3490
14	2270	1140	8900	3530	3880	2380	2570	5990	3380	2600	4230	3190
15	1620	2290	8720	1330	4350	2400	1230	5920	3090	904	4750	1900
16	551	2430	8610	4360	3920	2470	2720	5880	2240	1880	4610	770
17	561	3490	8590	6290	3740	2010	4120	6920	928	3390	4690	896
18	1160	3080	8450	6530	2450	1460	4040	7150	1670	5140	2550	848
19	1160	2040	8500	7910	1470	1940	4100	3530	2970	5910	867	724
20	1170	853	8450	7040	3400	2380	6480	1200	3340	5110	1350	1060
21	1180	2580	6930	3670	5060	8820	5540	4110	1560	1720	2170	1340
22	508	2900	6810	1510	5020	8340	2500	5980	1030	867	2130	963
23	578	2880	6410	4000	5380	6490	2570	5990	814	1660	2130	692
24	593	7740	5910	6900	5300	3340	5150	5970	911	3940	2990	1810
25	1230	5260	6570	8420	3120	1520	5040	5950	896	3300	2020	2610
26	553	2200	4010	7430	1330	3720	5570	2990	1390	4220	788	2690
27	1440	1130	6050	7010	3170	6130	5820	1210	1810	4510	1470	1960
28	531	4520	9480	3830	6220	7090	3810	3310	1620	2580	2460	2650
29	1170	6480	7320	1670	6660	6770	3820	6950	1930	911	3520	1490
30	529	5810	5540	4110	—	6390	4170	6620	1250	3730	5870	641
31	760	—	5570	6160	—	3590	—	6290	—	6510	4740	---
TOTAL	39076	76552	226810	170560	105180	123320	122400	175490	74589	95072	132725	63709
MEAN	1261	2552	7316	5502	3627	3978	4080	5661	2486	3067	4281	2124
MAX	4080	7740	11000	8420	6660	8820	6670	11400	6480	6510	8300	4140
MIN	460	551	3880	1330	1180	1120	1230	1200	814	867	788	641

CAL YR 1983 TOTAL 1179182 MEAN 3231 MAX 11000 MIN 460 MEAN† 3346 CFSM† 2.05 IN† 27.80
WTR YR 1984 TOTAL 1405483 MEAN 3840 MAX 11400 MIN 460 MEAN† 3873 CFSM† 2.37 IN† 32.26

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02395000 ETOWAH RIVER NEAR KINGSTON, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 1969 to June 1974. April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
14...	1310	567	--	1	1.5
14...	1315	567	--	2	3.1
14...	1505	1000	--	3	8.1
14...	1510	1000	--	4	11
14...	1600	2350	--	12	76
14...	1720	2670	--	13	94
14...	1725	2670	--	12	86
14...	1915	2050	--	8	44
14...	1920	2050	--	7	39
21...	1005	1390	12.5	43	161
21...	1010	1390	12.5	44	165
DEC					
06...	0950	4930	--	153	2040
06...	0955	4930	--	157	2090
06...	1215	8100	--	598	13100
06...	1800	16200	--	507	22100
06...	1805	16200	--	513	22400
07...	0735	12300	--	289	9580
07...	0740	12300	--	302	10000
07...	1035	10200	--	345	9460
07...	1040	10200	--	323	8860
FEB					
13...	1030	2010	11.5	14	76
13...	1035	2010	11.5	15	81
MAR					
26...	1125	1510	14.5	30	123
26...	1130	1510	14.5	27	110
JUN					
18...	0945	807	23.5	4	8.7
18...	0950	807	23.5	3	6.5
AUG					
02...	1210	2580	--	50	349
02...	1215	2580	--	49	342
SEP					
10...	0915	762	21.5	6	12
10...	0920	762	21.5	7	14

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
NOV							
14...	1600	2350	77	89	96	100	--
14...	1605	2350	95	--	--	--	--
14...	1720	2670	83	--	--	--	--
DEC							
06...	1215	8100	85	92	98	>99	100
06...	1220	8100	83	--	--	--	--
07...	0735	12300	82	--	--	--	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM
DEC												
04...	1130	9260	1	5	41	60	85	98	100	--	--	--
04...	1131	9260	--	<1	4	12	27	38	47	63	84	100
04...	1132	9260	<1	2	14	30	60	78	84	86	93	100
04...	1133	9260	1	8	42	89	99	>99	100	--	--	--

02395120 TWO RUN CREEK NEAR KINGSTON, GA.

LOCATION.--Lat 34°14'34", long 84°53'23", Bartow County, Hydrologic Unit 03150104, on right bank 200 ft upstream from bridge on State Highway 293, 1.9 mi upstream from Limekiln Branch, and 3 mi east of Kingston.

DRAINAGE AREA.--33.1 mi^2.

PERIOD OF RECORD.--May 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 730 ft, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,180 ft^3/s Feb. 3, 1982, gage height, 7.91 ft; minimum discharge, 7.0 ft^3/s Oct. 8, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0500	503	4.49	Mar. 20	2230	1110	5.94
Dec. 4	0100	*1370	6.27	Mar. 28	2130	568	4.73
Dec. 6	1300	738	5.28	May 3	1400	713	5.21
Dec. 28	1400	1100	5.93				

Minimum daily discharge, 10 ft^3/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	13	50	79	61	90	80	63	33	24	101	18
2	12	13	48	72	60	80	74	89	32	22	70	18
3	11	14	707	67	61	72	147	499	32	21	57	18
4	11	17	793	62	61	65	147	277	29	21	46	18
5	12	15	176	59	57	71	114	127	28	22	39	17
6	12	15	492	55	54	71	94	99	27	20	36	17
7	11	15	180	51	50	62	81	84	27	32	34	17
8	11	14	118	47	48	56	73	203	27	25	32	16
9	12	15	94	45	47	53	86	122	26	20	29	16
10	12	16	80	170	50	52	74	94	25	19	28	16
11	12	17	202	173	53	50	67	79	26	19	28	22
12	12	17	180	112	49	48	63	69	25	18	32	21
13	27	18	117	91	155	48	60	62	24	18	31	17
14	14	19	99	79	167	46	58	57	24	21	28	16
15	12	35	81	72	112	45	55	52	23	18	26	16
16	11	18	69	66	91	49	53	50	22	18	25	16
17	12	15	62	61	79	76	53	47	22	29	25	16
18	12	14	57	112	70	75	51	46	21	158	24	15
19	11	13	54	131	65	66	56	44	21	33	22	15
20	12	45	49	97	61	396	67	42	21	28	22	15
21	13	34	46	82	56	424	58	44	19	24	21	14
22	13	22	60	70	61	137	57	44	20	23	21	14
23	16	50	53	67	101	98	55	40	20	24	21	15
24	15	315	47	279	83	81	50	38	27	22	19	14
25	15	73	43	203	73	76	47	37	21	21	18	14
26	14	49	40	131	64	64	45	37	20	21	17	14
27	14	49	43	109	227	59	52	37	19	20	20	15
28	14	200	608	93	155	347	131	37	19	51	20	15
29	15	79	226	82	109	312	89	42	28	37	21	16
30	16	57	117	73	---	132	73	36	38	145	20	16
31	14	---	92	65	---	97	---	35	---	120	19	---
TOTAL	408	1286	5083	2955	2380	3398	2210	2632	746	1094	952	487
MEAN	13.2	42.9	164	95.3	82.1	110	73.7	84.9	24.9	35.3	30.7	16.2
MAX	27	315	793	279	227	424	147	499	38	158	101	22
MIN	10	13	40	45	47	45	45	35	19	18	17	14
CFSM	.40	1.30	4.96	2.88	2.48	3.32	2.23	2.57	.75	1.07	.93	.49
IN.	.46	1.45	5.71	3.32	2.67	3.82	2.48	2.96	.84	1.23	1.07	.55

CAL YR 1983 TOTAL 20566 MEAN 56.3 MAX 793 MIN 10 CFSM 1.70 IN 23.11
WTR YR 1984 TOTAL 23631 MEAN 64.6 MAX 793 MIN 10 CFSM 1.95 IN 26.56

02396000 ETOWAH RIVER AT ROME, GA.

LOCATION.--Lat 34°15'26", long 85°09'30", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Southern Railway bridge in Rome, 2 mi upstream from confluence with Oostanaula River.
DRAINAGE AREA.--1,820 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to December 1903, August 1904 to June 1921 (published as "near Rome"), October 1938 to current year. Monthly discharge only for some periods, published in WSP 1304.
REVISED RECORDS.--WRD GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 561.70 ft, National Geodetic Vertical Datum of 1929. July 1 to Dec. 31, 1903, nonrecording gage at Second Avenue Bridge, 1 mi downstream at different datum. Aug. 17, 1904, to June 30, 1921, nonrecording gage at Freemans Ferry, 5 mi upstream at different datum. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge, 1 mi downstream.
REMARKS.--Records fair except for Oct. 20 to Nov. 28, which are poor. Flow regulated by Allatoona Reservoir since 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)
AVERAGE DISCHARGE.--62 years (1904-20, 1938-84), 3,001 ft^3/s, 22.39 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft^3/s Dec. 11, 1919, gage height, over 28 ft, at former site at Freemans Ferry, computed from data at upstream stations; minimum daily, 360 ft^3/s Oct. 10, 1904.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, that of Dec. 11, 1919. Flood of Apr. 9, 1938, reached a stage of 37.5 ft, discharge, 46,500 ft^3/s, from gage readings and discharge measurements by U.S. Army Corps of Engineers.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft^3/s Dec. 7, maximum gage height, 26.45 ft Dec. 7; minimum daily discharge, 540 ft^3/s Oct. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2040	1600	5850	6810	6750	6730	1180	5600	6620	1200	9120	4650
2	643	1700	5720	7010	6550	6660	2620	5570	5330	1150	6730	3890
3	632	1700	7080	6850	6680	5230	6990	11500	1620	3780	5050	1340
4	1830	1700	12300	6750	5310	1700	6630	14600	1920	3660	9180	3860
5	2090	1500	5200	6680	1880	2890	5360	7400	4580	3690	8770	3820
6	2140	600	7940	6640	2160	5210	5100	7230	4550	3830	8620	3810
7	1840	600	15200	5980	3050	5040	3720	9950	4720	3880	8400	3760
8	2220	1600	5980	4800	2900	5000	1000	8530	4520	1600	8280	3700
9	901	1800	6590	5230	2880	4980	2400	1760	4120	1600	8180	1040
10	673	1800	8700	6570	2940	3690	5010	2000	1300	2500	8110	994
11	2240	1800	9310	8210	2660	1470	4360	2760	1240	3500	5560	3080
12	2970	1500	9800	7170	1570	1880	4040	3870	3310	4000	1490	3840
13	4050	600	10500	6790	2540	2890	4340	6220	3400	4100	1610	3920
14	2600	660	9820	5300	4810	2830	3470	6240	3330	3440	4630	3930
15	2400	1700	9470	1660	4320	2840	1550	6160	3530	1260	5130	3120
16	719	2100	9200	2990	3860	2900	2340	6120	3240	1100	5000	976
17	696	3000	9130	6660	3700	2550	4380	7160	1180	3580	5000	956
18	1360	3000	8900	6850	3060	1920	4340	7380	1190	5330	4800	1220
19	1370	2900	8870	8450	1720	2100	4370	5490	2650	7000	1200	902
20	1400	800	8750	7750	2640	2000	5790	1590	3800	6400	1100	884
21	1300	1400	7380	5910	5500	8710	6980	2730	2300	4000	2600	1590
22	620	2600	7230	1950	5460	9340	2930	6150	1720	1210	2480	1590
23	620	3100	6820	3130	5840	7060	2750	6160	1170	1130	2490	849
24	660	6600	6330	7490	5720	5300	4750	6110	1140	3680	2500	1020
25	1100	6400	7130	9520	4410	1740	5280	6090	1140	4070	3660	2890
26	600	4000	4210	8330	1430	2880	5270	4910	1090	3860	1050	2950
27	1000	1800	6370	7800	2670	6090	5990	1390	2000	4720	1020	2790
28	800	3500	10600	5920	5980	7730	5390	1820	1990	4980	2440	2420
29	1000	6800	10200	2030	7100	8400	4050	6300	2160	1220	3110	2740
30	600	5900	5510	3290	---	6390	3780	7150	1980	3900	6100	795
31	540	---	5050	6690	---	4470	---	6470	---	10900	5250	---
TOTAL	43654	74760	251140	187210	116090	138620	126160	182410	82840	110270	148660	73326
MEAN	1408	2492	8101	6039	4003	4472	4205	5884	2761	3557	4795	2444
MAX	4050	6800	15200	9520	7100	9340	6990	14600	6620	10900	9180	4650
MIN	540	600	4210	1660	1430	1470	1000	1390	1090	1100	1020	795

CAL YR 1983 TOTAL 1254323 MEAN 3437 MAX 15200 MIN 540 MEAN† 3552 CFSM† 1.95 IN† 26.51
WTR YR 1984 TOTAL 1535140 MEAN 4194 MAX 15200 MIN 540 MEAN† 4227 CFSM† 2.32 IN† 31.63

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02396000 ETOWAH RIVER AT ROME, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 25...	0815	2500	148	164	7.8	7.8	16.0	16.5	8.5	88
NOV 29...	0900	8000	56	61	7.4	7.5	12.0	3.0	9.1	86
DEC 29...	1030	11200	50	51	6.9	7.1	3.0	-1.0	12.2	92
JAN 25...	1330	6400	55	61	7.3	7.0	6.0	10.5	11.6	95
FEB 28...	1130	6670	66	75	7.3	7.4	8.0	.0	10.3	90
MAR 28...	0845	8000	56	55	7.4	7.2	11.0	15.5	10.3	97
APR 23...	0930	2630	105	108	7.4	7.7	15.0	17.0	8.7	89
MAY 29...	1215	4100	67	63	7.3	7.4	17.5	18.0	8.1	85
JUN 27...	0845	2780	135	151	7.7	7.9	24.0	31.0	8.0	97
JUL 25...	1045	4400	65	57	7.6	7.2	23.0	30.5	7.6	89
AUG 30...	1230	5300	80	73	7.2	7.4	23.0	30.0	7.7	91
SEP 26...	1330	2150	78	72	7.5	7.4	23.0	31.0	—	—

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	8.0	.6	490	72	11	61	12	.30	.060	.050	5.4
NOV 29...	45	2.3	—	20	0	22	58	.21	.030	.100	3.3
DEC 29...	90	3.4	3300	16	0	17	216	.22	.110	.240	5.9
JAN 25...	55	1.0	410	18	0	22	67	.43	.070	.040	3.4
FEB 28...	170	1.7	1300	30	3	27	317	.30	.050	.260	11
MAR 28...	20	1.2	490	20	0	21	—	.31	.060	.060	3.9
APR 23...	33	.8	330	52	10	42	32	.31	.050	.080	3.8
MAY 29...	24	--	790	26	1	25	20	.37	<.020	.050	3.8
JUN 27...	15	.8	230	60	5	55	30	.36	.020	.070	2.3
JUL 25...	10	1.0	230	20	0	21	39	.19	.070	.040	2.2
AUG 30...	80	1.4	--	38	12	26	176	.23	.040	.050	.40
SEP 26...	6.0	1.3	140	28	0	28	12	.17	.120	.050	2.7

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to shoreward side of lock wall of Mayos Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Monthly discharge only for some periods, published in WSP 1304. Water years 1959-62 (annual maximum only). Gage-height records collected at same site 1922-49, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1959(M).

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft, National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at site 7.5 mi upstream at datum 8.65 ft higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400, 02382400, and 02393500.)

AVERAGE DISCHARGE.--53 years (1896-1903, 1928-31, 1937-58, 1962-84), 6,825 ft³/s, 22.94 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 65,000 ft³/s Jan. 22, 1947, gage height, 37.0 ft; minimum daily, 870 ft³/s Oct. 18-22, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft at site and datum at Rome, equivalent to about 43 ft at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, Ala.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,000 ft³/s Dec. 7, gage height, 26.99 ft; minimum daily, 1,190 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2510	2180	[illegible]	22100	10500	19100	16300	13700	9920	5150	30000	6390
2	1280	2250	[illegible]	17300	9520	17400	12000	12100	8990	3880	25600	5310
3	1190	2250	[illegible]	12500	9330	13400	15100	20900	4590	5840	18600	2630
4	2200	2380	[illegible]	11300	8400	7650	17600	30500	4400	6240	17700	5300
5	2420	2400	[illegible]	10900	4800	7480	24300	28900	7060	6380	17900	5210
6	2600	1390	[illegible]	10600	4640	10000	24400	26700	7050	6370	16500	5070
7	2220	1330	[illegible]	9970	5480	9880	21300	26800	7150	7310	14900	4930
8	2530	2320	[illegible]	8020	5340	9570	16200	30300	6940	6570	14300	4810
9	1410	2340	[illegible]	7930	5260	9490	11400	30600	6810	6530	13500	2200
10	1240	2340	[illegible]	10500	5290	8610	12300	28500	3650	7760	12100	2090
11	2630	2330	[illegible]	17100	5450	5750	13000	24800	3180	6740	9530	3800
12	3240	2330	[illegible]	17800	4300	5310	11700	21500	5100	6500	4330	4660
13	5160	1270	[illegible]	15500	7600	6130	10100	19200	5220	6580	3810	5060
14	3450	1220	[illegible]	11600	16500	6080	8920	15000	5400	6450	6420	5380
15	3540	3030	[illegible]	7160	17800	5970	6250	13900	5790	3630	7270	6020
16	2120	4420	17100	7000	17100	6000	5950	13800	5550	3220	7360	2800
17	1810	4950	15700	9880	15600	6420	7750	13700	3250	5690	7370	2140
18	2200	4720	14300	11300	11300	5800	7790	12900	3150	8510	6820	2130
19	2240	4410	13100	15200	8040	5660	7800	10900	4450	9300	2910	1900
20	2170	2470	12500	15300	7830	6390	9070	5690	5600	8820	2690	1850
21	2030	4120	10900	12400	10100	15200	12400	5720	4130	7190	3840	2330
22	1400	5940	10600	6890	9880	20600	7990	9880	3630	3960	3820	2320
23	1330	6110	10400	6660	10900	19700	7250	9850	2920	3770	3810	1850
24	1320	15400	10000	13800	12700	16700	8570	9500	3010	6050	3780	1860
25	1830	18200	9800	20200	13200	9490	9690	9270	3240	6710	4930	3510
26	1410	13900	7760	20700	9400	8980	9410	8630	3060	5950	2340	3570
27	1810	8190	9820	19100	10600	11200	10200	5600	4130	7240	2520	3520
28	1580	13000	20200	14400	17500	14600	11000	6390	3980	9590	5470	2900
29	1730	21400	29000	8370	19000	23600	12600	9990	4580	7800	5130	3500
30	1270	18800	26500	8190	---	23500	13000	12600	5450	15700	7600	1800
31	1200	---	23400	10800	---	21600	---	10400	---	27700	7300	---
TOTAL	65070	177390	577880	390470	293260	357260	361340	498220	151410	229130	290150	106840
MEAN	2099	5913	18640	12600	10110	11520	12040	16070	5047	7391	9360	3561
MAX	5160	21400	32600	22100	19000	23600	24400	30600	9920	27700	30000	6390
MIN	1190	1220	7760	6660	4300	5310	5950	5600	2920	3220	2340	1800

CAL YR 1983 TOTAL 2865730 MEAN 7851 MAX 32600 MIN 1190 MEAN† 7971 CFSM† 1.97 IN† 26.78
WTR YR 1984 TOTAL 3498420 MEAN 9559 MAX 32600 MIN 1190 MEAN† 9589 CFSM† 2.37 IN† 32.31

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE, CARTERS RE-REGULATION DAM, AND ALLATOONA RESERVOIR.

02397000 COOSA RIVER NEAR ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.17	12.07	17.90	20.81	15.30	19.26	17.79	16.48	15.04	13.19	25.83	13.86
2	11.34	12.13	15.71	18.39	14.97	18.34	15.69	15.86	14.69	12.70	23.49	13.46
3	11.27	12.13	18.56	16.07	14.90	16.46	17.12	20.07	13.05	13.44	19.67	12.37
4	12.00	12.19	24.67	15.61	14.54	14.26	18.49	25.55	12.96	13.59	18.92	13.46
5	12.13	12.21	25.18	15.46	13.20	14.18	21.76	24.86	13.97	13.64	18.99	13.43
6	12.21	11.54	24.35	15.36	13.14	15.15	22.07	23.16	13.96	13.64	18.27	13.38
7	12.01	11.48	26.65	15.11	13.46	15.10	20.59	23.31	13.99	13.98	17.38	13.32
8	12.19	12.18	24.85	14.40	13.41	14.98	17.89	25.38	13.91	13.70	16.97	13.27
9	11.46	12.19	22.33	14.36	13.37	14.96	15.65	25.82	13.86	13.69	16.51	12.13
10	11.31	12.20	18.94	15.33	13.39	14.62	13.94	24.59	12.66	14.16	15.86	12.07
11	12.19	12.19	18.32	18.22	13.45	13.56	16.19	22.44	12.48	13.77	14.96	12.85
12	12.51	12.18	19.86	18.57	13.00	13.39	15.72	20.70	13.20	13.68	13.04	13.18
13	13.30	11.43	20.76	17.43	14.23	13.69	15.16	19.59	13.24	13.71	12.84	13.31
14	12.74	11.39	20.54	15.71	17.74	13.68	14.74	17.49	13.31	13.66	13.82	13.42
15	12.79	12.56	19.50	14.07	18.51	13.64	13.74	16.75	13.45	12.60	14.16	13.65
16	12.07	13.15	18.36	14.02	18.14	13.66	13.63	16.00	13.36	12.44	14.19	12.37
17	11.87	13.33	17.63	15.10	17.28	13.81	14.30	16.47	12.48	13.37	14.19	11.99
18	12.12	13.24	16.78	15.60	15.39	13.58	14.32	16.18	12.43	14.44	13.98	11.99
19	12.14	13.11	16.25	17.10	14.11	13.53	14.32	15.44	12.94	14.73	12.48	11.82
20	12.10	12.25	16.00	17.30	13.97	13.80	14.79	13.52	13.36	14.55	12.37	11.80
21	12.01	12.99	15.45	16.05	14.82	17.21	15.39	13.52	12.80	13.94	12.85	12.10
22	11.55	13.66	15.35	13.97	14.74	19.87	14.39	15.06	12.61	12.73	12.86	12.10
23	11.48	13.71	15.29	13.89	15.07	19.66	14.10	15.04	12.32	12.66	12.85	11.80
24	11.47	17.34	15.13	16.58	15.76	18.14	14.61	14.91	12.35	13.51	12.84	11.81
25	11.86	18.81	15.06	19.70	15.93	14.96	15.03	14.82	12.44	13.76	13.28	12.60
26	11.56	16.59	14.30	20.06	14.57	14.76	14.92	14.59	12.38	13.48	12.18	12.69
27	11.85	14.47	15.07	19.26	15.25	15.56	15.20	13.45	12.79	13.96	12.28	12.66
28	11.68	16.33	19.71	17.00	18.42	16.85	15.48	13.74	12.73	14.84	13.50	12.40
29	11.79	20.21	24.37	14.54	19.17	21.28	16.05	15.08	12.96	14.17	13.39	12.66
30	11.43	19.22	23.06	14.46	—	21.50	16.22	16.03	13.30	17.94	14.31	11.77
31	11.37	—	21.46	15.41	—	20.65	—	15.22	—	24.13	14.20	---
MEAN	11.93	13.62	19.27	16.29	15.15	15.94	16.06	18.12	13.17	14.12	15.24	12.66
MAX	13.30	20.21	26.65	20.81	19.17	21.50	22.07	25.82	15.04	24.13	25.83	13.86
MIN	11.27	11.39	14.30	13.89	13.00	13.39	13.63	13.45	12.32	12.44	12.18	11.77

CAL YR 1983	MEAN 14.44	MAX 26.65	MIN 11.27
WTR YR 1984	MEAN 15.14	MAX 26.65	MIN 11.27

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 25...	1200	2400	140	156	7.6	7.4	16.5	19.0	7.2	75
NOV 29...	1230	22700	62	68	7.2	7.4	12.0	7.5	9.0	85
DEC 29...	0930	29500	53	55	6.9	7.2	3.0	-2.0	12.4	94
JAN 25...	1230	21000	65	75	7.4	7.1	5.5	10.5	11.7	95
FEB 28...	1500	18300	74	81	7.2	7.4	8.5	2.0	10.4	92
MAR 28...	0745	13800	67	68	7.4	7.4	11.0	14.5	9.9	93
APR 23...	1245	7250	105	111	7.3	7.7	14.0	20.0	8.9	89
MAY 29...	1600	9170	84	80	7.3	7.3	19.5	19.0	7.7	85
JUN 27...	1130	4920	163	154	7.7	7.8	24.0	32.0	7.4	89
JUL 25...	0945	8800	110	101	7.0	7.5	24.0	30.0	7.2	86
AUG 30...	1045	8430	100	91	7.3	7.4	22.5	30.0	7.5	87
SEP 26...	1100	4600	100	89	7.5	7.4	23.0	30.0	7.3	86

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	7.0	.9	140	62	7	55	.37	.110	.290	4.0
NOV 29...	65	2.2	—	24	0	24	.26	.050	.190	4.9
DEC 29...	90	4.2	790	22	2	20	.24	.160	.260	6.1
JAN 25...	60	1.3	1700	24	0	26	.45	.090	.080	3.8
FEB 28...	120	2.5	11000	33	4	29	.30	.070	.240	8.8
MAR 28...	25	1.2	1700	24	0	26	.32	.060	.090	3.3
APR 23...	35	1.8	790	48	4	44	.32	.080	.120	4.9
MAY 29...	55	--	2200	36	7	29	.28	<.020	.130	4.5
JUN 27...	9.0	.7	1500	64	5	59	.42	.040	.110	2.0
JUL 25...	18	1.0	1300	44	7	37	.30	.040	.090	2.8
AUG 30...	100	2.0	—	32	1	31	.37	.050	.180	6.5
SEP 26...	10	1.1	330	36	1	35	.21	.090	.090	1.7

02397410 CEDAR CREEK AT CEDARTOWN, GA.

LOCATION.--Lat 33°59'45", long 85°15'53", Polk County, Hydrologic Unit 03150105, at bridge on Georgia Avenue at Cedartown, 1.1 mi downstream from Pumpkin Pile Creek, and at mile 29.9.

DRAINAGE AREA.--66.9 mi^2.

PERIOD OF RECORD.--May 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 758.88 ft, National Geodetic Vertical Datum of 1929 (datum published incorrectly in 1981 and 1982).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,080 ft^3/s Feb. 3, 1982, gage height, 16.43 ft; minimum daily discharge, 13 ft^3/s Sept. 25-28, Oct. 5, 6, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 4, 1979, reached a stage of 21.1 ft from floodmarks, discharge, 16,500 ft^3/s from rating curve extended above 4,500 ft^3/s on basis of contracted-opening and flow-over-road computation of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0200	1520	10.07
Dec. 3	2100	1880	11.22
Dec. 6	1015	1620	10.40
Dec. 28	1200	2330	12.36
July 31	1600	*2700	12.89

Minimum daily discharge, 18 ft^3/s Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	69	143	112	145	102	196	64	45	494	53
2	18	20	62	121	106	129	94	266	60	39	758	47
3	18	20	1070	108	105	117	270	1240	57	37	424	44
4	19	21	969	99	105	107	241	704	54	35	244	43
5	20	21	308	96	96	134	166	362	51	35	241	41
6	20	21	903	88	90	134	129	276	49	34	162	39
7	20	21	340	81	84	113	111	224	48	36	113	39
8	20	20	223	74	81	101	102	300	47	35	93	38
9	20	21	163	70	80	92	125	226	45	34	82	37
10	20	22	123	357	81	88	110	167	44	32	74	37
11	21	20	269	313	84	86	99	132	50	31	69	37
12	23	20	249	188	79	82	91	115	42	32	68	39
13	52	20	176	140	384	81	85	105	36	32	66	36
14	26	21	149	116	356	77	80	99	40	32	61	34
15	22	29	113	104	217	74	77	91	39	33	57	33
16	21	26	94	98	158	86	75	86	38	31	54	33
17	20	23	85	89	132	90	82	81	37	46	52	33
18	20	22	79	229	117	88	74	77	37	306	50	33
19	20	22	75	311	109	80	97	74	36	62	49	32
20	20	57	70	188	101	181	813	71	35	47	48	32
21	20	37	66	146	94	242	367	75	35	43	45	32
22	20	28	126	126	95	138	393	82	36	52	44	32
23	24	240	99	126	117	109	285	71	67	74	43	32
24	22	693	82	754	99	99	202	66	42	45	42	31
25	22	141	71	490	95	103	146	62	39	37	41	31
26	21	83	67	313	86	90	120	76	36	34	40	31
27	21	70	66	263	517	87	233	101	35	39	40	30
28	20	303	1240	208	297	249	324	67	34	38	43	30
29	20	126	425	169	196	218	321	197	38	38	300	30
30	20	82	240	142	---	137	238	85	53	113	119	30
31	20	---	178	122	---	114	---	71	---	1280	68	---
TOTAL	668	2270	8249	5872	4273	3671	5652	5845	1324	2808	4084	1069
MEAN	21.5	75.7	266	189	147	118	188	189	44.1	90.6	132	35.6
MAX	52	693	1240	754	517	249	813	1240	67	1280	758	53
MIN	18	20	62	70	79	74	74	62	34	31	40	30
CFSM	.32	1.13	3.98	2.83	2.20	1.76	2.81	2.83	.66	1.35	1.97	.53
IN.	.37	1.26	4.59	3.27	2.38	2.04	3.14	3.25	.74	1.56	2.27	.59

CAL YR 1983 TOTAL 40040 MEAN 110 MAX 1310 MIN 18 CFSM 1.64 IN 22.26
WTR YR 1984 TOTAL 45785 MEAN 125 MAX 1280 MIN 18 CFSM 1.87 IN 25.46

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on State Highway 161, 4.5 mi upstream from Lake Creek, and 4.5 mi northwest of Cedartown.
DRAINAGE AREA.--115 mi^2, revised.
PERIOD OF RECORD.--February 1968 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1943-73 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 25...	1100	47	250	278	7.7	7.6	15.0	19.5	4.3	44
NOV 29...	1130	417	135	155	7.6	7.7	11.5	7.0	8.7	82
DEC 29...	0830	895	72	74	7.0	7.4	5.0	-2.0	12.0	96
JAN 25...	1130	805	80	90	7.4	7.1	7.5	10.0	11.0	94
FEB 28...	1400	465	100	117	7.5	7.7	9.0	2.0	9.9	89
MAR 28...	0645	235	195	193	7.6	7.9	14.5	14.0	7.6	78
APR 23...	1200	490	105	110	7.3	7.7	15.5	20.0	8.7	91
MAY 29...	1515	310	150	138	7.6	7.7	19.5	19.0	7.9	87
JUN 27...	1215	65	260	261	7.8	8.1	22.0	32.0	8.3	97
JUL 25...	0900	79	240	231	7.3	7.8	21.0	24.0	6.5	74
AUG 30...	1115	210	122	116	7.4	7.6	21.0	29.5	7.5	86
SEP 26...	1145	45	280	271	7.7	7.8	19.0	30.5	7.4	81

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	2.0	1.3	2200	130	1	127	.52	.050	.210	6.4
NOV 29...	15	1.7	--	68	5	63	.46	.020	.110	5.4
DEC 29...	35	2.0	3600	32	1	31	.29	.080	.090	3.9
JAN 25...	40	1.2	2200	38	3	35	.34	.070	.050	3.1
FEB 28...	25	2.1	3300	72	24	48	.32	.060	.080	5.0
MAR 28...	10	1.6	7000	90	0	91	.44	.070	.140	3.3
APR 23...	23	2.0	4600	50	4	46	.24	.020	.060	4.8
MAY 29...	70	--	17000	66	2	64	.35	.050	.130	7.7
JUN 27...	6.0	1.2	7000	120	6	116	.55	.040	.210	2.9
JUL 25...	7.0	1.0	1700	110	6	104	.52	.040	.180	2.6
AUG 30...	36	3.3	--	50	3	47	.24	.020	.140	6.4
SEP 26...	4.0	1.4	490	130	5	127	.48	.140	.250	4.1

02397530 COOSA RIVER NEAR COOSA, GA.

LOCATION.--Lat 34°11'54", long 85°26'46", Floyd County, Ga.-Cherokee County, Ala., Hydrologic Unit 03150105, 6.5 mi southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 mi^2, approximately.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1976 to current year.

pH: August 1976 to current year.

WATER TEMPERATURE: August 1976 to current year.

DISSOLVED OXYGEN: August 1976 to current year.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Flow regulated by Allatoona Reservoir and by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400, 02382400, and 02393500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Air Temperature, Water Temperature, pH, Dissolved Oxygen, and Specific Conductance by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 253 micromhos Sept. 15, 1977; minimum, 32 micromhos Apr. 15, 1979.

pH: Maximum, 9.7 units Dec. 5, 1977; minimum, 6.3 units Nov. 6-12, 1977.

WATER TEMPERATURE: Maximum recorded, 34.5°C Aug. 22, 1983, July 24, 1981; minimum, 1.0°C Jan. 13, 1982.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L Jan. 20, 1977; minimum recorded, 1.4 mg/L July 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 203 micromhos Sept. 25; minimum, 60 micromhos Dec. 7.

pH: Maximum recorded, 9.0 units June 18; minimum recorded, 6.8 units June 27, 28, Aug. 21, 22.

WATER TEMPERATURE: Maximum, 31.5°C June 25, 27, July 16, Aug. 26; minimum recorced, 4.0°C Jan. 22.

DISSOLVED OXYGEN: Maximum, 12.7 mg/L Jan. 4; minimum, 3.8 mg/L Nov. 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT									
18...	1050	136	131	7.4	7.4	20.0	21.0	6.4	72
NOV									
30...	1010	80	79	7.1	7.3	12.0	5.0	8.2	77
DEC									
19...	1440	80	72	7.3	7.3	10.5	7.0	10.2	93
JAN									
31...	1000	112	104	7.4	7.2	8.5	2.0	10.8	94
FEB									
16...	1045	85	86	7.2	7.2	11.5	11.0	9.9	93
MAR									
27...	1030	101	96	7.4	7.4	14.0	13.0	9.4	94
APR									
24...	1110	122	120	7.4	7.4	15.5	18.0	8.4	87
MAY									
10...	1300	77	74	7.1	7.3	18.0	16.5	6.8	73
JUN									
07...	1100	103	102	7.4	7.9	22.5	31.0	7.8	91
JUL									
25...	1130	138	133	7.3	7.7	26.5	29.0	5.3	67
AUG									
15...	1500	157	150	7.4	7.8	26.5	32.0	5.7	72
SEP									
06...	1315	120	106	7.3	7.5	25.0	26.0	6.2	76

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)
OCT 18...	7.0	12	1.1	<20	44	0	45	1	104
NOV 30...	70	24	2.9	3300	28	2	26	96	--
DEC 19...	20	9	--	210	22	0	33	18	48
JAN 31...	15	9	1.5	1100	44	3	41	28	120
FEB 16...	80	15	2.6	1300	32	2	30	97	192
MAR 27...	19	5	.8	1100	28	0	36	28	100
APR 24...	--	5	1.6	210	50	5	45	20	144
MAY 10...	27	20	1.3	330	32	4	28	60	128
JUN 07...	15	4	.8	700	38	1	37	23	104
JUL 25...	13	11	1.1	500	52	3	49	30	108
AUG 15...	15	13	.8	500	60	4	56	20	100
SEP 06...	12	9	2.2	80	44	3	41	22	80

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	.27	.050	.35	.40	.67	.210	3.6
NOV 30...	.29	.060	--	<.10	--	.290	7.4
DEC 19...	.29	.070	--	<.10	--	.100	2.0
JAN 31...	.40	.070	.23	.30	.70	.080	2.4
FEB 16...	.32	.050	.35	.40	.72	.100	7.9
MAR 27...	.25	.060	.74	.80	1.1	.100	4.9
APR 24...	.30	.080	.32	.40	.70	.110	3.6
MAY 10...	.10	.050	.55	.60	.70	.120	6.4
JUN 07...	.34	.090	.11	.20	.54	.110	2.7
JUL 25...	.39	.060	.14	.20	.59	.170	4.1
AUG 15...	.45	.050	--	<.10	--	.080	2.5
SEP 06...	.30	.050	.15	.20	.50	.140	2.4

02397530 COOSA RIVER AT STATE LINE, ALA.-Ga.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	166	124	186	174	82	72	---	---	98	85	82	71
2	147	132	183	173	88	73	---	---	100	83	84	73
3	143	123	190	167	92	75	93	78	100	83	90	78
4	146	129	173	164	80	65	94	77	101	84	94	79
5	163	140	164	120	67	64	97	77	100	88	112	94
6	171	156	153	120	74	66	98	79	128	99	129	108
7	181	167	157	122	75	60	99	79	145	129	110	91
8	186	132	160	123	69	61	100	81	147	131	112	98
9	158	122	159	140	81	70	109	94	135	126	110	97
10	158	125	159	141	82	80	110	86	132	124	105	90
11	164	140	170	158	84	78	96	79	131	121	103	92
12	171	149	169	123	83	78	94	82	132	122	115	106
13	182	146	170	132	80	75	92	82	136	127	133	115
14	144	99	172	137	79	76	94	84	140	100	142	126
15	109	95	180	136	77	75	101	83	101	86	130	121
16	135	111	166	150	78	75	116	101	92	80	128	124
17	146	123	167	124	78	75	137	84	86	80	---	---
18	144	131	132	111	79	77	102	82	98	83	---	---
19	172	142	120	110	81	77	102	84	103	93	---	---
20	194	163	125	114	82	78	99	82	114	102	---	---
21	165	161	127	113	81	77	96	82	128	115	---	---
22	167	163	135	124	93	79	104	94	117	89	---	---
23	163	142	138	110	97	83	119	104	106	88	82	75
24	155	145	125	82	86	80	129	87	104	88	83	73
25	162	140	83	72	---	---	93	79	105	90	91	77
26	166	160	87	78	---	---	89	78	100	91	101	91
27	---	---	93	84	---	---	85	74	111	97	115	88
28	---	---	98	92	---	---	93	79	110	84	96	79
29	---	---	94	71	---	---	99	82	88	76	91	75
30	---	---	82	73	---	---	112	98	---	---	84	78
31	174	172	---	---	---	---	128	85	---	---	83	75
MONTH	194	95	190	71	97	60	137	74	147	76	142	71

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	80	77	110	100	98	85	---	---	78	69	---	---
2	95	80	100	92	99	82	---	---	82	71	---	---
3	116	81	---	---	98	84	152	132	92	79	---	---
4	94	79	---	---	119	87	167	152	103	88	---	---
5	90	63	---	---	139	120	158	107	90	86	---	---
6	77	65	---	---	148	97	123	107	89	85	---	---
7	77	70	---	---	110	99	122	102	92	87	---	---
8	81	71	---	---	110	97	114	97	90	86	---	---
9	102	80	---	---	111	97	134	103	91	86	---	---
10	114	103	84	79	114	99	133	114	92	88	---	---
11	105	92	84	78	122	107	138	120	92	87	---	---
12	97	89	86	81	130	110	129	95	104	90	---	---
13	97	89	90	76	160	131	120	95	123	105	161	131
14	98	88	94	79	170	119	119	101	141	126	138	118
15	102	91	86	78	133	112	109	100	156	108	138	115
16	108	100	---	---	132	112	119	105	119	102	139	107
17	125	108	---	---	128	113	134	110	113	94	148	123
18	134	99	---	---	121	112	171	126	109	97	131	104
19	109	97	---	---	128	122	124	103	108	98	118	103
20	117	99	---	---	154	128	114	104	111	95	137	116
21	112	82	---	---	168	127	112	88	135	105	174	139
22	99	83	---	---	129	111	103	97	156	135	202	171
23	119	100	99	95	126	108	105	94	182	153	200	194
24	124	120	101	85	138	127	134	106	152	137	201	193
25	124	102	100	85	141	136	158	134	147	133	203	192
26	109	93	100	84	162	139	155	104	143	135	192	173
27	102	86	100	89	166	162	123	103	138	124	190	168
28	104	87	116	92	172	162	122	95	145	123	170	135
29	105	85	127	115	---	---	110	98	160	142	143	130
30	109	95	143	87	---	---	120	94	164	120	138	131
31	---	---	98	78	---	---	94	79	---	---	---	---
MONTH	134	63	143	76	172	82	171	79	182	69	203	103
YEAR	203	60										

02397530 COOSA RIVER AT STATE LINE, ALA.-GA.—Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.5	7.3	7.4	7.3	7.2	7.1	---	---	7.4	7.3	7.3	7.2
2	7.5	7.3	7.4	7.3	7.2	7.1	---	---	7.4	7.3	7.3	7.2
3	7.8	7.3	7.4	7.3	7.3	7.2	7.4	7.3	7.4	7.3	7.3	7.2
4	7.7	7.4	7.5	7.3	7.2	7.0	7.4	7.3	7.4	7.3	7.2	7.2
5	7.4	7.3	7.4	7.3	7.1	7.1	7.4	7.3	7.4	7.3	7.3	7.2
6	7.4	7.3	7.4	7.3	7.2	7.0	7.3	7.2	7.5	7.4	7.5	7.3
7	7.6	7.4	7.3	7.3	7.2	7.1	7.3	7.2	7.6	7.5	7.4	7.3
8	7.5	7.4	7.3	7.3	7.2	7.2	7.3	7.2	7.6	7.6	7.4	7.3
9	7.6	7.4	7.3	7.2	7.3	7.2	7.3	7.2	7.6	7.5	7.4	7.4
10	7.4	7.3	7.4	7.2	7.3	7.2	7.3	7.1	7.5	7.5	7.4	7.4
11	7.4	7.3	7.6	7.4	7.3	7.2	7.4	7.1	7.5	7.4	7.4	7.3
12	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.4	7.4	7.4	7.4
13	7.5	7.3	7.4	7.4	7.3	7.2	7.3	7.2	7.4	7.4	7.4	7.4
14	7.4	7.3	7.5	7.4	7.3	7.2	7.3	7.2	7.4	7.2	7.5	7.4
15	7.3	7.2	7.5	7.4	7.2	7.2	7.3	7.2	7.2	7.1	7.4	7.3
16	7.4	7.3	7.5	7.3	7.3	7.2	7.3	7.3	7.2	7.1	7.3	7.3
17	7.4	7.3	7.7	7.5	7.3	7.3	7.5	7.3	7.1	7.1	---	---
18	7.4	7.4	7.5	7.4	7.3	7.3	7.4	7.3	7.2	7.1	---	---
19	7.4	7.3	7.4	7.3	7.3	7.3	7.4	7.3	7.2	7.1	---	---
20	7.4	7.3	7.4	7.4	7.3	7.3	7.4	7.3	7.3	7.2	---	---
21	7.4	7.3	7.5	7.4	7.3	7.3	7.4	7.3	7.5	7.3	---	---
22	7.5	7.4	7.4	7.4	7.4	7.3	7.4	7.3	7.4	7.3	---	---
23	7.4	7.3	7.5	7.3	7.5	7.4	7.4	7.3	7.4	7.3	7.3	7.3
24	7.4	7.3	7.4	7.1	7.4	7.4	7.5	7.3	7.4	7.3	7.4	7.3
25	7.4	7.4	7.1	7.0	---	---	7.3	7.1	7.3	7.3	7.3	7.3
26	7.4	7.4	7.1	7.0	---	---	7.2	7.2	7.4	7.3	7.4	7.3
27	---	---	7.2	7.1	---	---	7.2	7.2	7.4	7.3	7.5	7.3
28	---	---	7.2	7.2	---	---	7.2	7.1	7.4	7.3	7.4	7.3
29	---	---	7.2	7.1	---	---	7.2	7.2	7.3	7.3	7.4	7.2
30	---	---	7.2	7.1	---	---	7.4	7.2	---	---	7.3	7.3
31	7.4	7.3	---	---	---	---	7.5	7.4	---	---	7.4	7.3
MONTH	7.8	7.2	7.7	7.0	7.5	7.0	7.5	7.1	7.6	7.1	7.5	7.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.3	7.2	7.3	7.2	7.1	7.0	---	---	7.5	7.4	---	---
2	7.3	7.3	7.2	7.2	7.2	7.0	---	---	7.6	7.4	---	---
3	7.6	7.3	---	---	7.2	7.1	7.0	6.9	7.5	7.3	---	---
4	7.4	7.3	---	---	7.3	7.1	7.2	7.0	7.8	7.4	---	---
5	7.4	7.1	---	---	7.4	7.2	7.3	7.1	7.6	7.5	---	---
6	7.2	7.1	---	---	7.5	7.2	7.3	7.2	7.5	7.4	---	---
7	7.2	7.2	---	---	7.4	7.3	7.4	7.3	7.6	7.3	---	---
8	7.2	7.1	---	---	7.4	7.3	7.5	7.3	7.3	7.2	---	---
9	7.3	7.2	---	---	7.4	7.3	7.5	7.4	7.2	7.0	---	---
10	7.4	7.3	7.1	7.0	8.6	7.3	7.5	7.4	7.2	7.1	---	---
11	7.4	7.3	7.1	7.0	8.7	7.4	7.5	7.5	7.2	7.1	---	---
12	7.4	7.4	7.1	7.1	7.6	7.3	7.5	7.4	7.3	7.1	---	---
13	7.4	7.3	7.2	7.0	7.4	7.3	7.6	7.4	7.4	7.2	7.5	7.3
14	7.4	7.3	7.1	7.0	7.4	7.2	7.6	7.5	7.4	7.3	7.3	7.1
15	7.4	7.3	---	---	7.3	7.2	8.9	7.6	7.4	7.2	7.3	7.1
16	7.4	7.3	---	---	7.4	7.2	8.7	7.4	7.4	7.0	7.5	7.1
17	7.5	7.4	---	---	8.5	7.2	7.3	7.0	7.1	7.0	7.3	7.1
18	7.7	7.4	---	---	9.0	7.3	7.4	7.1	7.1	7.0	7.3	7.0
19	7.5	7.5	---	---	7.6	7.2	7.3	7.1	7.2	6.9	7.7	7.0
20	7.5	7.5	---	---	7.5	7.2	7.1	7.0	7.1	6.9	7.8	7.2
21	7.5	7.3	---	---	7.8	7.4	7.1	7.0	7.0	6.8	7.7	7.3
22	7.3	7.3	---	---	7.6	7.2	7.5	7.0	7.0	6.8	7.6	7.4
23	7.4	7.3	7.4	7.3	7.7	7.2	7.2	7.0	7.7	7.0	7.8	7.6
24	7.5	7.3	7.4	7.3	8.1	7.2	7.1	7.0	7.6	7.4	7.7	7.5
25	7.5	7.3	7.4	7.2	8.3	7.1	7.4	7.1	7.5	7.3	7.7	7.4
26	7.5	7.3	7.4	7.2	8.0	7.0	7.3	7.1	8.0	7.2	7.6	7.4
27	7.4	7.3	7.4	7.2	7.2	6.8	7.2	7.0	8.3	7.3	7.5	7.3
28	7.4	7.2	7.3	7.2	7.2	6.8	7.2	7.0	7.4	6.9	7.4	7.3
29	7.3	7.1	7.4	7.3	---	---	7.9	7.0	7.3	6.9	7.3	7.2
30	7.2	7.1	7.6	7.3	---	---	7.7	7.5	7.5	7.2	7.2	7.2
31	---	---	7.2	7.0	---	---	7.8	7.5	---	---	---	---
MONTH	7.7	7.1	7.6	7.0	9.0	6.8	8.9	6.9	8.3	6.8	7.8	7.0
YEAR	9.0	6.8										

02397530 COOSA RIVER AT STATE LINE, ALA.-GA.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	22.0	19.5	18.0	12.5	11.5	—	—	7.5	6.5	8.5	7.5
2	25.5	22.5	20.5	18.0	12.0	11.5	—	—	7.5	6.0	8.5	7.5
3	25.5	22.5	20.0	19.5	13.0	12.0	6.0	5.5	7.5	6.5	9.5	7.5
4	24.5	23.5	19.5	19.0	13.[illegible]	12.5	6.5	5.5	8.0	7.5	10.0	9.0
5	25.0	23.5	19.5	18.5	13.5	13.0	7.5	5.5	7.5	7.0	11.0	9.5
6	25.0	24.0	20.0	18.5	13.5	13.0	8.5	6.5	8.0	7.0	12.0	11.0
7	24.0	22.5	19.5	18.0	13.0	12.0	8.5	7.0	9.0	7.0	11.5	10.5
8	24.0	22.5	19.5	18.0	12.0	10.5	8.5	7.0	7.5	6.5	11.5	10.0
9	26.0	22.5	20.5	18.5	10.5	10.0	9.5	7.5	8.0	6.5	11.0	9.5
10	24.0	23.0	19.5	16.5	10.5	10.0	9.0	8.0	8.0	7.0	10.0	9.0
11	23.0	22.0	16.5	15.5	11.5	10.5	8.5	7.5	9.5	7.5	9.5	8.5
12	24.0	22.5	17.5	15.5	12.0	11.5	7.5	6.5	10.5	8.0	10.0	8.5
13	23.5	20.5	16.5	15.5	12.0	11.5	7.0	6.0	11.5	10.0	11.5	9.5
14	20.5	19.5	15.5	15.0	11.5	11.5	7.5	6.0	13.0	11.5	13.0	10.5
15	21.5	20.0	16.0	15.0	11.5	10.5	7.5	6.5	12.5	11.5	14.0	11.5
16	22.5	19.5	17.0	12.0	10.5	10.5	8.5	7.5	12.5	11.5	—	—
17	22.5	19.0	12.5	11.5	11.0	10.0	9.0	7.5	11.5	11.0	—	—
18	21.0	19.5	13.0	11.5	10.5	10.0	8.0	7.0	12.0	10.5	—	—
19	23.0	20.0	14.5	12.5	10.5	10.0	8.0	6.5	12.0	11.0	—	—
20	23.0	21.5	14.5	13.5	10.5	10.0	6.5	5.5	12.5	11.5	—	—
21	22.0	21.0	16.0	13.0	10.0	10.0	5.5	4.5	13.0	12.0	—	—
22	21.5	21.0	15.5	14.0	10.0	9.5	5.5	4.0	12.5	10.0	—	—
23	21.5	20.5	15.0	14.5	9.5	9.0	5.0	4.5	10.5	9.5	12.5	11.5
24	22.0	20.5	16.0	14.5	9.0	8.5	6.0	5.0	10.0	8.5	12.5	11.5
25	20.5	19.0	14.5	13.5	—	—	6.0	5.0	10.5	9.0	13.5	12.5
26	20.0	19.0	14.0	13.0	—	—	6.5	5.5	10.5	9.0	14.0	13.0
27	—	—	13.0	12.5	—	—	7.5	6.0	10.5	10.0	14.5	13.5
28	—	—	13.0	12.5	—	—	8.5	7.0	10.0	8.5	13.5	12.5
29	—	—	13.5	12.5	—	—	9.0	7.5	9.0	8.0	13.0	12.5
30	—	—	12.5	12.0	—	—	9.5	8.0	—	—	13.0	12.0
31	19.5	19.0	—	—	—	—	9.0	7.0	—	—	12.5	11.5
MONTH	26.0	19.0	20.5	11.5	13.5	8.5	9.5	4.0	13.0	6.0	14.5	7.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.5	11.5	18.5	17.5	19.0	18.0	—	—	22.0	21.5	—	—
2	14.0	12.0	18.0	17.0	20.0	18.5	—	—	22.0	21.5	—	—
3	14.5	13.0	—	—	22.0	19.5	27.0	25.5	23.0	22.0	—	—
4	14.5	13.5	—	—	23.5	20.5	27.0	26.0	24.0	22.5	—	—
5	15.0	14.0	—	—	25.0	22.5	26.5	25.0	24.5	23.5	—	—
6	15.0	14.0	—	—	24.5	22.5	26.0	25.0	24.5	24.0	—	—
7	14.5	14.0	—	—	23.5	22.5	26.0	25.0	24.5	24.0	—	—
8	14.5	13.5	—	—	24.5	23.0	26.0	24.0	25.0	24.5	—	—
9	15.0	14.0	—	—	24.5	23.0	26.5	24.5	25.5	24.5	—	—
10	15.0	14.5	18.0	17.0	28.0	23.0	27.0	25.0	25.5	25.0	—	—
11	15.0	14.0	18.0	16.5	29.5	24.0	27.5	25.5	25.5	25.0	—	—
12	15.5	14.0	18.0	17.0	27.0	24.5	28.0	26.0	27.5	25.0	—	—
13	16.0	15.0	18.5	17.5	28.0	26.5	28.0	26.0	28.5	26.0	27.5	26.0
14	16.5	16.0	19.5	18.0	27.5	26.5	27.0	26.0	27.5	27.0	27.5	26.5
15	17.5	16.5	—	—	27.0	26.0	30.5	26.5	27.0	26.0	27.5	26.5
16	16.5	16.0	—	—	27.0	26.0	31.5	27.5	27.0	26.0	27.0	25.5
17	16.5	15.5	—	—	30.5	26.0	29.0	27.5	27.0	26.5	26.5	25.0
18	16.0	15.0	—	—	30.5	26.5	29.0	26.5	27.0	26.0	26.0	25.0
19	15.0	14.5	—	—	30.5	27.5	26.0	25.5	28.5	26.0	28.5	25.0
20	14.5	14.0	—	—	29.5	28.5	26.0	25.0	31.0	26.0	28.5	25.0
21	14.0	13.5	—	—	31.0	28.5	26.5	25.5	29.5	27.5	28.0	25.5
22	15.0	14.0	—	—	29.5	27.0	29.5	25.5	30.0	28.0	26.5	25.0
23	15.0	14.5	—	—	30.0	26.5	28.0	25.5	29.0	27.5	25.5	24.0
24	16.0	15.0	20.5	19.0	30.5	28.5	28.5	27.0	29.0	27.5	27.5	25.0
25	17.0	15.5	21.0	20.0	31.5	28.5	28.0	26.5	28.5	27.5	28.0	25.0
26	17.5	16.0	21.5	20.5	30.0	27.5	27.5	26.0	31.5	28.0	29.0	25.0
27	18.0	16.5	22.5	20.5	31.5	27.5	28.0	26.5	29.0	27.0	26.0	24.5
28	17.5	17.0	23.0	21.5	30.0	27.5	27.0	25.5	29.0	27.5	27.0	24.5
29	18.0	17.0	22.0	21.0	—	—	25.5	24.0	28.5	26.5	25.5	24.0
30	18.0	18.0	21.5	19.0	—	—	24.0	21.5	26.5	26.0	25.5	24.0
31	—	—	19.0	18.0	—	—	21.5	21.0	—	—	—	—
MONTH	18.0	11.5	23.0	16.5	31.5	18.0	31.5	21.0	31.5	21.5	29.0	24.0
YEAR	31.5	4.0										

02397530 COOSA RIVER AT STATE LINE, ALA.-GA.—Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	6.1	6.8	6.3	8.9	8.3	—	—	11.8	11.3	11.7	10.8
2	7.4	6.1	7.1	6.3	8.9	8.6	—	—	12.0	11.5	12.1	11.3
3	8.3	6.5	6.9	6.5	9.2	8.9	11.7	11.2	11.9	11.7	12.0	11.4
4	7.8	6.0	7.5	6.6	9.0	8.4	12.7	11.7	11.8	11.4	11.7	11.3
5	6.1	5.3	7.3	6.5	8.5	8.3	12.6	12.0	11.5	10.9	11.5	10.8
6	5.7	5.1	7.4	6.4	8.3	8.3	12.2	11.8	10.9	10.6	10.8	10.2
7	6.5	5.2	7.0	6.3	8.4	8.3	12.2	12.1	10.9	10.5	10.5	10.0
8	6.4	5.6	6.9	6.1	8.5	8.2	12.1	11.9	11.5	10.9	10.8	9.8
9	7.1	5.4	6.9	6.2	8.4	8.1	12.2	11.7	12.0	11.3	10.6	9.7
10	6.3	5.1	7.4	6.3	9.0	8.2	12.2	11.9	12.0	11.8	10.7	10.0
11	5.7	5.1	8.1	7.3	9.5	9.2	12.1	11.6	11.9	11.4	11.0	10.3
12	5.6	5.0	7.6	6.8	9.6	9.4	12.1	11.6	11.4	10.7	10.7	10.2
13	6.3	5.0	7.0	6.6	9.5	9.3	12.4	11.9	10.7	10.1	10.7	10.4
14	6.4	5.9	6.9	5.4	9.5	9.4	12.5	12.1	10.2	9.2	10.5	10.0
15	6.3	5.9	6.1	3.8	9.5	9.3	12.2	11.7	9.7	9.5	10.2	9.6
16	7.1	5.8	8.4	5.1	9.8	9.6	11.7	11.3	10.0	9.5	9.7	9.5
17	6.9	6.1	9.0	8.5	10.0	9.[illegible]	11.9	11.4	10.3	10.0	—	—
18	6.9	6.0	9.1	8.4	10.3	10.[illegible]	11.9	11.8	10.3	10.0	—	—
19	6.2	5.2	9.0	8.5	10.2	10.0	11.9	11.5	10.3	10.0	—	—
20	5.4	5.0	8.9	8.6	10.3	10.2	11.9	11.5	10.2	10.1	—	—
21	5.7	5.2	8.8	8.3	10.4	10.2	12.2	11.7	10.3	9.9	—	—
22	5.7	5.4	8.3	7.9	10.4	10.2	12.1	11.8	10.8	10.2	—	—
23	5.6	5.2	8.6	8.2	10.3	10.1	12.4	12.0	11.3	10.6	10.4	9.7
24	5.2	4.9	8.5	7.2	10.2	10.1	12.6	12.3	11.2	10.7	10.1	9.5
25	5.9	5.2	7.5	6.9	—	—	12.3	11.9	11.2	10.7	10.0	9.5
26	5.7	5.5	7.8	7.1	—	—	11.9	11.5	11.0	10.5	9.9	9.4
27	—	—	8.3	7.8	—	—	11.7	11.6	10.9	10.7	9.6	9.4
28	—	—	8.9	8.3	—	—	11.5	11.1	10.7	10.3	9.6	9.3
29	—	—	8.6	8.3	—	—	11.2	10.8	10.9	10.3	9.2	8.4
30	—	—	8.5	8.2	—	—	10.9	10.7	—	—	9.2	8.3
31	6.7	6.2	—	—	—	—	11.5	10.6	—	—	9.7	8.8
MONTH	8.3	4.9	9.1	3.8	10.4	8.1	12.7	10.6	12.0	9.2	12.1	8.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.8	9.0	7.7	7.4	7.7	7.1	—	—	6.1	5.9	—	—
2	9.8	9.0	7.9	7.6	7.9	7.4	—	—	6.0	5.6	—	—
3	9.7	9.4	—	—	8.2	7.4	—	—	5.8	5.5	—	—
4	9.6	9.3	—	—	8.1	7.6	—	—	6.1	5.5	—	—
5	9.3	8.6	—	—	7.7	7.2	8.4	7.6	6.1	5.9	—	—
6	9.3	8.6	—	—	7.6	7.1	8.4	7.8	6.2	5.8	—	—
7	9.4	8.6	—	—	7.8	7.5	8.5	8.0	6.2	6.1	—	—
8	9.3	8.8	—	—	7.7	7.2	8.8	8.2	6.2	6.0	—	—
9	9.0	8.5	—	—	7.3	6.9	8.4	7.8	6.2	6.0	—	—
10	9.1	8.5	6.8	6.7	7.6	6.8	7.7	7.2	6.0	5.8	—	—
11	9.5	8.9	7.0	6.7	7.4	6.6	7.7	7.3	5.9	5.7	—	—
12	9.4	9.0	7.2	6.9	6.7	5.9	8.1	7.2	6.3	5.3	—	—
13	9.3	9.0	7.2	6.9	5.8	5.3	8.1	7.4	6.2	5.0	6.5	6.1
14	9.2	8.8	7.1	6.7	5.9	5.2	7.9	7.3	—	—	6.5	5.7
15	9.0	8.4	7.0	6.3	6.2	5.7	11.2	7.2	5.7	5.3	6.2	5.7
16	8.6	8.2	—	—	6.3	5.8	11.2	8.3	5.9	5.4	6.9	5.6
17	8.5	8.1	—	—	6.8	5.8	8.5	6.3	5.8	5.5	6.8	5.7
18	9.4	8.0	—	—	7.2	6.1	7.1	5.8	5.9	5.4	6.9	6.1
19	9.2	8.7	—	—	6.5	5.1	6.7	5.9	6.9	5.5	7.2	6.0
20	9.2	8.8	—	—	5.8	5.5	6.5	5.7	7.5	5.8	7.5	5.7
21	9.6	9.2	—	—	6.5	5.6	6.4	5.8	6.4	5.0	6.9	5.4
22	9.7	9.2	—	—	7.0	6.2	8.1	6.0	6.4	4.9	6.4	5.5
23	9.2	8.7	7.5	7.4	7.5	6.8	6.9	5.7	6.5	6.0	7.1	5.9
24	8.7	8.4	7.6	7.0	8.1	7.1	6.2	5.0	6.2	5.7	6.4	5.3
25	9.0	8.4	7.6	7.3	8.7	6.9	6.0	4.6	6.5	5.6	6.8	5.5
26	8.9	8.4	7.5	7.2	—	—	6.2	5.6	8.0	5.6	6.7	5.3
27	8.8	8.4	7.5	7.2	—	—	5.8	5.0	7.9	6.2	5.9	5.6
28	8.6	8.2	7.5	6.9	—	—	6.1	5.2	6.3	4.8	5.7	4.9
29	8.5	7.7	7.0	6.5	—	—	5.5	4.4	5.9	5.0	5.2	4.5
30	7.7	7.4	7.3	6.7	—	—	5.5	4.5	5.6	4.4	5.3	4.5
31	—	—	7.4	6.9	—	—	5.9	5.6	—	—	—	—
MONTH	9.8	7.4	7.9	6.3	8.7	5.1	11.2	4.4	8.0	4.4	7.5	4.5
YEAR	12.7	3.8										

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft downstream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and ¼ mi upstream from Raccoon Creek.
DRAINAGE AREA.--192 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.
REVISED RECORDS.--WRD GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 613.47 ft, National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.
REMARKS.--Records good, except those for periods of no gage-height record, Dec. 4-21, and Aug. 31 to Sept. 26, which are poor.
AVERAGE DISCHARGE.--47 years, 365 ft³/s, 25.82 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft³/s Mar. 29, 1951, gage height, 21.0 ft; minimum daily, 38 ft³/s Oct. 17, 1937, Nov. 9, 1939.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 28	1800	5840	14.91	May 3	1900	*7500	15.67
Dec. 4	unknown	5830	14.93	May 8	1500	7190	15.58
Dec. 29	0100	5740	14.85	Aug. 1	0200	5600	14.73
Apr. 4	1600	3900	13.19				

Minimum discharge, 75 ft³/s Oct. 6, 8-11, gage height, 2.25 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	75	486	637	352	640	560	638	255	211	3880	170
2	78	75	381	529	331	554	478	802	243	173	1430	250
3	77	75	2340	465	304	487	807	5580	234	196	936	190
4	80	83	4600	411	291	440	2850	3740	221	176	1020	170
5	82	87	2000	391	278	486	1850	1440	210	173	888	155
6	76	80	3300	364	266	559	1020	961	195	507	804	145
7	77	77	2500	333	247	473	757	807	183	1080	570	140
8	76	76	1300	311	236	426	616	5570	177	711	512	135
9	77	78	900	295	230	392	936	2590	171	374	390	130
10	79	79	700	458	233	370	1070	1240	168	289	369	130
11	78	77	1000	1240	265	359	814	881	164	243	354	170
12	82	76	1200	716	256	346	660	683	160	221	291	140
13	211	77	900	551	597	322	558	561	157	622	260	130
14	123	78	650	462	978	297	486	477	170	425	238	125
15	83	188	550	407	638	286	431	412	276	283	224	120
16	77	160	450	385	508	289	393	372	177	243	220	118
17	77	110	400	352	442	297	367	346	167	252	409	115
18	78	96	350	510	385	294	344	326	157	387	229	112
19	79	88	300	598	350	288	327	322	153	245	211	110
20	82	228	280	450	327	355	341	303	156	208	198	110
21	81	236	280	400	309	673	333	300	185	195	183	108
22	80	146	456	360	302	487	343	299	238	186	176	106
23	97	217	465	343	364	408	489	275	315	192	174	104
24	95	1720	384	1310	338	368	380	260	202	174	168	102
25	84	503	321	1120	318	362	338	247	182	168	163	102
26	81	312	294	805	307	336	313	269	169	165	159	105
27	78	516	287	654	1300	330	334	890	159	165	199	104
28	76	4420	2970	543	1290	960	694	369	153	167	173	109
29	75	1940	3380	470	815	1610	1000	378	158	370	223	106
30	76	725	1250	414	---	933	719	304	174	603	186	106
31	74	---	810	369	---	701	---	272	---	2890	172	---
TOTAL	2647	12698	35484	16653	12857	15128	20608	31914	5729	12294	15409	3917
MEAN	85.4	423	1145	537	443	488	687	1029	191	397	497	131
MAX	211	4420	4600	1310	1300	1610	2850	5580	315	2890	3880	250
MIN	74	75	280	295	230	286	313	247	153	165	159	102
CFSM	.44	2.19	5.93	2.78	2.30	2.53	3.56	5.33	.99	2.06	2.58	.68
IN.	.51	2.45	6.84	3.21	2.48	2.92	3.97	6.15	1.10	2.37	2.97	.75

CAL YR 1983 TOTAL 157856 MEAN 432 MAX 4600 MIN 74 CFSM 2.24 IN 30.43
WTR YR 1984 TOTAL 185338 MEAN 506 MAX 5580 MIN 74 CFSM 2.62 IN 35.72

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 25...	1345	83	460	521	8.0	7.9	15.5	18.0	7.1	73
NOV 29...	1415	1290	110	126	7.5	7.7	11.0	11.5	9.9	92
DEC 28...	1630	4310	60	63	7.1	7.3	1.5	5.5	13.0	96
JAN 25...	0915	1160	125	132	7.7	7.5	7.0	7.5	11.4	96
FEB 28...	1630	1080	130	142	7.6	7.8	9.0	.0	9.7	87
MAR 27...	1710	336	230	232	7.9	8.0	13.5	19.0	9.3	92
APR 23...	1445	456	185	202	7.7	7.9	15.0	15.0	9.4	97
MAY 29...	1745	346	230	227	7.7	7.8	18.0	17.0	7.7	82
JUN 26...	1200	168	360	347	7.6	7.8	21.0	32.0	4.4	50
JUL 25...	0645	168	340	337	7.4	7.9	21.5	22.0	5.8	67
AUG 30...	0830	201	350	370	7.8	8.1	20.0	24.0	7.3	81
SEP 26...	0745	105	470	433	8.0	8.1	19.0	17.0	7.5	82

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	4.0	1.0	130	110	0	166	.56	.060	.240	4.4
NOV 29...	30	1.6	—	50	5	45	.35	.090	.120	4.3
DEC 28...	120	6.2	3100	24	4	20	.21	.100	.360	7.3
JAN 25...	35	1.4	1300	50	1	49	.43	.070	.040	3.0
FEB 28...	30	2.5	1300	52	0	52	.38	.200	.070	3.7
MAR 27...	8.0	2.0	220	90	0	91	.41	.340	.080	3.3
APR 23...	22	1.6	790	88	6	82	.38	.020	.060	3.7
MAY 29...	21	—	1300	82	0	83	.64	.200	.060	3.8
JUN 26...	15	4.7	1700	98	0	115	1.2	.660	.110	6.0
JUL 25...	14	1.9	230	100	0	118	.72	.190	.110	2.7
AUG 30...	10	.7	—	110	0	125	.56	.060	.070	2.3
SEP 26...	6.0	1.2	110	120	0	162	.49	.120	.270	<1.0

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.

LOCATION.--Lat 34°20'08", long 85°26'43", Chattooga County, Hydrologic Unit 03150105, at bridge on Holland-Chattoogaville Road, 0.4 mi downstream from Hinton Creek, and 0.7 mi south of Chattoogaville.

DRAINAGE AREA.--281 mi^2.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT										
25...	1300	131	420	478	7.9	7.9	15.0	18.0	6.4	65
NOV										
29...	1330	6000	79	87	7.2	7.3	11.0	10.0	8.7	81
DEC										
28...	1700	4800	68	74	7.1	7.3	2.0	5.0	11.9	89
JAN										
25...	1015	1250	120	129	7.7	7.5	6.5	7.5	11.2	93
FEB										
28...	1530	1950	—	132	7.4	7.8	9.0	.0	10.2	91
MAR										
27...	1745	845	225	224	7.9	8.1	14.0	19.0	9.0	90
APR										
23...	1400	800	195	218	7.7	7.9	15.0	18.0	9.3	96
MAY										
29...	1700	1050	170	179	7.6	7.6	19.0	18.0	7.4	80
JUN										
26...	1230	315	280	264	7.6	7.8	22.5	32.0	5.0	59
JUL										
25...	0745	232	320	325	7.4	7.9	22.0	23.0	6.3	73
AUG										
30...	0930	241	300	307	7.7	7.9	21.5	24.5	7.0	80
SEP										
26...	0945	160	440	414	7.9	8.0	20.0	27.0	7.0	78

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT										
25...	5.0	—	1.2	<20	110	0	151	4	.78	.330
NOV										
29...	40	—	2.0	—	32	2	30	36	.22	.020
DEC										
28...	55	—	4.9	6400	32	3	29	97	.22	.100
JAN										
25...	60	—	1.8	1100	60	10	50	66	.42	.060
FEB										
28...	60	—	1.7	3300	56	7	49	74	.35	.120
MAR										
27...	7.0	—	1.3	130	90	0	91	12	.42	.080
APR										
23...	18	—	1.2	330	90	2	88	30	.41	.030
MAY										
29...	60	—	—	4900	80	6	74	66	.63	.040
JUN										
26...	20	—	1.6	730	88	0	95	18	1.2	.100
JUL										
25...	10	10	.9	790	110	0	116	37	.67	.040
AUG										
30...	10	11	1.1	—	90	0	97	18	.56	.030
SEP										
26...	5.0	8	1.3	110	120	0	146	7	.59	.080

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
25...	—	—	—	.670	6.8
NOV					
29...	—	—	—	.170	6.4
DEC					
28...	—	—	—	.190	6.7
JAN					
25...	—	—	—	.070	4.1
FEB					
28...	—	—	—	.150	6.0
MAR					
27...	—	—	—	.180	2.3
APR					
23...	—	—	—	.080	2.3
MAY					
29...	—	—	—	.140	4.6
JUN					
26...	—	—	—	.260	3.8
JUL					
25...	.16	.20	.87	.160	16
AUG					
30...	.17	.20	.76	.150	3.3
SEP					
26...	.22	.30	.89	.240	2.7

02411800 LITTLE RIVER NEAR BUCHANAN, GA.

LOCATION.--Lat 33°47'51", long 85°07'03", Haralson County, Hydrologic Unit 03150108, on right bank 300 ft upstream from county highway bridge, 4.5 mi east of Buchanan, and 7 mi upstream from mouth.

DRAINAGE AREA.--20.2 mi^2.

PERIOD OF RECORD.--June 1959 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 1,110 ft, from topographic map.

REMARKS.--Records good except those affected by beaverdam, Oct. 6 to Nov. 10, and those of no gage-height record, Jan. 3-13, which are poor.

AVERAGE DISCHARGE.--25 years, 34.8 ft^3/s, 23.40 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft^3/s Mar. 4, 1966, gage height, 12.58 ft, from rating curve extended above 2,300 ft^3/s on basis of slope-area measurement at gage height, 12.47 ft; minimum, 1.6 ft^3/s Oct. 5, 6, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0445	661	3.55	May 3	0345	1240	6.37
Dec. 6	0815	*2640	10.19	May 29	0045	768	4.04
Dec. 28	1215	726	3.85	July 31	1330	1410	7.03

Minimum daily discharge, 4.9 ft^3/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	7.0	26	51	31	52	40	53	38	21	167	13
2	5.6	6.9	23	42	30	44	38	181	32	17	175	12
3	5.4	7.5	241	38	32	39	84	770	28	15	138	12
4	5.5	12	233	36	38	37	85	198	26	13	104	11
5	9.0	9.0	94	34	32	42	64	131	24	14	71	11
6	8.0	8.0	1110	33	30	41	51	115	22	13	51	10
7	7.0	7.7	147	32	28	36	45	93	21	13	33	9.4
8	6.5	7.4	123	31	27	33	42	88	20	12	25	9.1
9	6.2	7.2	108	31	27	31	65	66	19	11	21	8.8
10	6.0	8.4	84	75	30	30	57	53	18	10	19	8.8
11	6.5	7.5	191	55	34	30	48	44	17	9.4	18	9.0
12	9.0	7.1	123	45	31	29	44	38	16	9.1	25	9.8
13	26	7.1	87	40	144	31	40	34	16	40	27	8.8
14	13	13	70	35	88	30	47	33	15	20	23	8.4
15	9.0	33	58	35	57	29	42	30	14	16	20	7.9
16	8.0	20	52	33	44	35	41	28	14	21	18	7.3
17	7.3	14	47	31	39	37	43	27	14	20	17	6.5
18	7.1	12	40	66	35	35	37	26	13	60	16	6.3
19	7.0	11	36	80	33	33	56	26	13	17	17	5.9
20	6.9	65	34	51	32	182	154	25	13	15	18	6.0
21	6.8	41	32	41	30	139	83	36	13	13	16	5.7
22	6.9	24	78	35	41	88	69	38	14	13	15	5.4
23	17	87	55	36	54	59	60	30	15	12	14	5.1
24	11	355	43	66	41	45	46	27	14	15	13	5.2
25	9.2	107	38	56	42	43	40	25	12	13	12	5.3
26	8.4	72	33	45	35	37	36	40	11	16	12	5.1
27	7.8	45	35	52	209	36	107	52	10	13	12	4.9
28	7.5	88	352	44	105	101	106	48	10	12	13	5.1
29	7.3	44	128	39	73	68	94	270	16	37	19	5.4
30	7.2	30	91	35	---	51	66	84	27	67	19	6.3
31	7.1	---	66	32	---	44	---	54	---	615	15	---
TOTAL	261.0	1163.8	3878	1355	1472	1569	1830	2763	535	1192.5	1163	234.5
MEAN	8.42	38.8	125	43.7	50.8	50.6	61.0	89.1	17.8	38.5	37.5	7.82
MAX	26	355	1110	80	209	182	154	770	38	615	175	13
MIN	5.4	6.9	23	31	27	29	36	25	10	9.1	12	4.9
CFSM	.42	1.92	6.19	2.16	2.52	2.51	3.02	4.41	.88	1.91	1.86	.39
IN.	.48	2.14	7.14	2.50	2.71	2.89	3.37	5.09	.99	2.20	2.14	.43

CAL YR 1983 TOTAL 16350.9 MEAN 44.8 MAX 1110 MIN 2.1 CFSM 2.22 IN 30.11
WTR YR 1984 TOTAL 17416.8 MEAN 47.6 MAX 1110 MIN 4.9 CFSM 2.36 IN 32.07

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA.

LOCATION.—Lat 33°44'27", long 85°20'11", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 78, 0.4 mi upstream from Walker Creek, and 2.7 mi west of Tallapoosa.

DRAINAGE AREA.—272 mi^2, revised.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV										
02...	1015	95	37	40	7.1	7.0	13.0	19.0	7.9	77
JAN										
04...	1040	500	38	30	7.0	6.7	3.0	5.0	12.2	93
MAR										
06...	1100	670	29	29	6.9	7.0	10.5	8.0	10.2	95
MAY										
02...	0915	690	30	31	6.7	7.0	16.0	21.0	8.7	92
JUL										
10...	0945	210	38	35	7.3	7.0	23.0	31.5	7.7	92
SEP										
05...	0945	225	37	37	7.2	6.9	20.0	24.0	8.1	91

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV								
02...	8.0	.7	170	14	.02	.040	<.020	2.6
JAN								
04...	15	1.4	70	9.0	.17	.040	<.020	2.2
MAR								
06...	15	1.3	80	10	.12	.070	.030	3.1
MAY								
02...	20	.5	330	9.0	.17	.100	.060	4.3
JUL								
10...	11	1.2	—	13	.13	.040	.060	1.9
SEP								
05...	10	1.6	1100	12	.11	.040	.040	2.3

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA.

LOCATION.—Lat 33°29'34", long 85°16'45", Carroll County, Hydrologic Unit 03150108, at bridge on State Highway 100, 1.9 mi upstream from Indian Creek, and 3.8 mi southwest of Bowdon.

DRAINAGE AREA.—245 mi^2.

PERIOD OF RECORD.—July 1974 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 04...	1045	68	106	103	7.0	6.9	17.0	24.0	7.3	77
NOV 02...	1115	76	94	106	6.9	7.0	13.5	22.0	7.3	72
DEC 08...	1345	3850	35	37	6.4	6.3	9.0	11.5	8.4	75
JAN 04...	1130	415	40	43	7.0	6.7	3.5	10.0	12.0	93
FEB 07...	1230	332	48	44	—	6.3	4.0	8.0	12.2	94
MAR 03...	1230	620	42	42	6.9	7.0	11.5	13.0	9.5	91
APR 04...	1600	1450	38	40	6.7	6.8	15.0	23.0	8.6	89
MAY 02...	1030	520	45	46	6.7	7.0	17.0	19.0	8.0	86
JUN 06...	1130	220	60	58	7.0	6.9	21.0	33.0	7.5	86
JUL 10...	1045	110	65	62	7.1	7.0	23.5	33.0	7.4	89
AUG 08...	1100	635	49	45	—	7.0	23.0	27.0	6.3	75
SEP 05...	1045	175	57	53	7.0	7.0	21.0	26.5	7.6	87

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	8.0	.9	140	17	1.2	.130	.610	3.0
NOV 02...	7.0	1.2	80	18	.93	.220	.760	4.1
DEC 08...	40	1.4	700	7.0	.19	.090	.130	5.5
JAN 04...	20	1.6	490	10	.35	.120	.130	3.0
FEB 07...	10	1.3	170	11	.31	.120	.090	1.5
MAR 03...	15	1.0	1100	11	.35	.150	.140	4.1
APR 06...	90	3.1	4900	10	.27	.120	.130	9.5
MAY 02...	22	.9	130	13	.40	.140	.120	3.8
JUN 06...	15	.5	230	13	.76	.120	.840	3.2
JUL 10...	9.0	1.2	—	15	.71	.040	.590	2.4
AUG 08...	28	1.6	4900	13	.18	.060	.120	5.4
SEP 05...	16	1.4	70	15	.39	.040	.090	2.8

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02381400 **CARTERS LAKE.**--Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 mi upstream from Talking rock Creek, 1.3 mi east of Carters, 1.9 mi upstream from Louisville and Nashville Railway bridge, and at mile 26.8. DRAINAGE AREA, 373 mi². PERIOD OF RECORD, November 1974 to current year. REVISED RECORDS, WRD GA-80-1: Drainage area. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Lake is formed by rolled rock-filled dam. Emergency spillway, crest elevation, 1,070 ft, is equipped with five taintor gages 42 ft wide by 36.6 ft high. There is one sluice 16.5 ft in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft, 472,800 acre-ft. Capacity at maximum power pool elevation, 1,072 ft, 377,100 acre-ft. Dead storage below elevation 1,022 ft, 242,200 acre-ft. Lake is used for flood control and power. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 472,400 acre-ft Apr. 8, 1977, elevation, 1,099.16 ft; minimum, after first filling, 347,900 acre-ft Oct. 16, 1981, elevation, 1,062.90 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 409,100 acre-ft May 10, elevation, 1,081.86 ft; minimum, 361,100 acre-ft Dec. 7 elevation, 1,067.19.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents acre-feet)	(equivalent in cubic feet per second)
Sept. 30................	1070.73	372200	-	-
Oct. 31................	1071.03	373200	+1000	+16
Nov. 30................	1071.34	374200	+1000	+17
Dec. 31................	1072.68	378500	+4300	+70
CAL YR 1983	-	-	+8000	+11
Jan. 31................	1068.21	364300	-14200	-231
Feb. 29................	1070.83	372500	+8200	+143
Mar. 31................	1071.09	373400	+900	+15
Apr. 30................	1072.19	376900	+3500	+59
May 31................	1073.34	380600	+3700	+60
June 30................	1074.58	384700	+4100	+69
July 31................	1078.50	397700	+13000	+211
Aug. 31................	1070.50	371500	-26200	-426
Sept. 30................	1071.13	373500	+2000	+34
WTR YR 1984	-	-	+1300	+2

02382400 **CARTERS RE-REGULATION DAM.**--Lat 34°36'15", long 84°41'29", Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 mi downstream from Talking Rock Creek, 0.2 mi upstream from Louisville and Nashville Railway bridge, 1.5 mi downstream from main dam and at mile 25.3. DRAINAGE AREA, 520 mi². PERIOD OF RECORD, July 1975 to current year. REVISED RECORDS, WRD GA-80-1: Drainage area. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway, crest elevation, 662.5 ft is equipped with four taintor gages 42 ft wide by 36.5 ft high. Capacity at maximum storage pool elevation, 698 ft, 17,600 acre-ft. Dead storage, 290 acre-ft. The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 18,800 acre-ft Apr. 14, 1977, elevation, 699.36 ft; minimum, 320 acre-ft June 6, 1983, elevation, 666.98 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 18,100 acre-ft Aug. 10, elevation, 698.55 ft; minimum, 1,500 acre-ft Feb. 24, elevation, 675.11 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOPER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents acre-feet)	(equivalent in cubic feet per second)
Sept. 30................	688.56	9800	-	-
Oct. 31................	686.85	8500	-1300	-21
Nov. 30................	689.69	10600	+2100	+35
Dec. 31................	689.66	10500	-100	-2
CAL YR 1983	-	-	-4500	-6
Jan. 31................	691.98	12500	+2000	+33
Feb. 29................	689.60	10600	-1900	-33
Mar. 31................	692.30	12700	+2100	+34
Apr. 30................	688.82	9900	-2800	-47
May 31................	688.91	10000	+100	+2
June 30................	683.91	6400	-3600	-61
July 31................	686.75	8500	+2100	+34
Aug. 31................	686.47	8200	-300	-5
Sept. 30................	683.22	5900	-2300	-39
WTR YR 1984	-	-	-3900	-5

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN—Continued

02393500 **ALLATOONA RESERVOIR.**—Lat 34°09'46", long 84°43'40", Bartow County, Hydrologic Unit 03150104, at forebay of dam on Etowah River, 2.8 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4 mi east of Cartersville, and 6 mi upstream from Pumpkinvine Creek. DRAINAGE AREA, 1,120 mi², revised. PERIOD OF RECORD, December 1949 to current year. REVISED RECORDS, WRD GA-80-1: Drainage area. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Lake is formed by concrete gravity dam. Spillway, crest elevation, 835.0 ft is equipped with nine taintor gates 40 ft wide by 25 ft high. There are four sluices 5.67 ft by 10 ft high and one sluice 4.0 ft in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft, top of gages, is 670,000 acre-ft, of which 587,100 acre-ft is controlled storage above 800 ft, minimum pool. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft Apr. 10, 1964, elevation, 861.19 ft; minimum, 119,600 acre-ft Dec. 4, 1954, elevation, 809.34 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 454,000 acre-ft Aug. 8, elevation, 846.75 ft; minimum, 230,000 acre-ft Feb. 3, elevation, 826.40 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	834.40	305200	-	-
Oct. 31	832.26	283500	-21700	-353
Nov. 30	833.18	292700	+9200	+155
Dec. 31	836.79	330800	+38100	+620
CAL YR 1983	-	-	+83500	+115
Jan. 31	828.62	231900	-98900	-1610
Feb. 29	832.67	287600	+55700	+968
Mar. 31	837.31	336500	+48900	+795
Apr. 30	842.16	393700	+57200	+961
May 31	842.36	396200	+2500	+41
June 30	842.17	393800	-2400	-40
July 31	844.58	424700	+30900	+503
Aug. 31	840.41	372400	-52300	-851
Sept. 30	836.67	329400	-43000	-723
WTR YR 1984	-	-	+24200	+33

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03544947 BRIER CREEK NEAR HIAWASSEE, GA.

LOCATION.--Lat 34°50'05", long 83°42'34", Towns County, Hydrologic Unit 06020002, on left bank, 0.3 mi upstream from junction with Corbin Creek, and 8.2 mi southeast of Hiawassee.

DRAINAGE AREA.--1.70 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1984 to September 1984.

GAGE.--Water-stage recorder. Altitude of gage is 2,180 ft, from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--62 years, 3,596 ft^3/s, 16.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 2.72 ft June 21, 1984 (discharge not determined); minimum discharge, 1.2 ft^3/s Sept. 21, 22, 25, 26, 1984.

EXTREMES FOR MAY 24, 1984 to SEPTEMBER 30, 1984.--Maximum gage height, 2.72 ft June 21, 1984 (discharge not determined); minimum discharge 1.2 ft^3/s Sept. 21, 22, 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	5.6	3.1	18	2.3
2								---	5.3	3.1	13	2.3
3								---	5.0	2.9	9.7	2.4
4								---	4.8	3.0	7.3	2.4
5								---	4.6	2.9	8.0	2.4
6								---	4.4	2.7	8.2	2.2
7								---	4.2	3.0	7.1	2.2
8								---	4.0	2.6	6.3	2.1
9								---	3.8	2.5	5.6	2.1
10								---	3.7	2.3	5.7	2.0
11								---	3.6	2.2	5.4	1.9
12								---	4.3	2.2	5.6	1.7
13								---	4.1	3.2	5.6	1.6
14								---	3.8	4.8	5.0	1.5
15								---	3.6	3.3	4.8	1.6
16								---	3.5	3.1	4.5	1.5
17								---	3.4	3.3	4.2	1.4
18								---	3.2	5.7	4.1	1.4
19								---	2.9	4.2	4.0	1.5
20								---	3.3	3.5	3.8	1.4
21								---	11	3.2	3.7	1.4
22								---	7.7	3.0	3.8	1.3
23								---	5.6	2.8	3.7	1.4
24								---	4.8	2.6	3.6	1.4
25								7.0	4.2	3.1	3.5	1.3
26								6.8	3.8	2.7	3.4	1.3
27								6.5	3.6	2.8	3.3	1.3
28								7.0	3.4	4.1	3.3	1.4
29								6.7	3.5	7.4	2.8	1.4
30								6.2	3.4	21	2.6	1.5
31								5.9	---	20	2.5	---
TOTAL								---	132.1	136.3	172.1	51.6
MEAN								---	4.40	4.40	5.55	1.72
MAX								---	11	21	18	2.4
MIN								---	2.9	2.2	2.5	1.3
CFSM								---	2.59	2.59	3.27	1.01
IN.								---	2.89	2.98	3.76	1.13

03544947 BRIER CREEK NEAR HIAWASSEE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1984 to September 1984.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)
JUN							
15-21	0330	13	13	6.8	7.0	5	5.0
21-28	2240	12	13	6.4	6.4	6	5.0
JUN-JUL							
28-05	1725	12	12	7.1	6.6	6	5.0
JUL							
05-12	1900	12	13	7.0	6.8	7	5.0
12-19	1930	12	13	7.0	7.0	6	6.0
JUL-AUG							
19-01	1730	12	13	7.0	6.8	6	6.0
AUG							
01-09	1820	11	11	6.9	6.6	5	5.0
09-16	1700	12	12	7.0	6.7	6	3.0
16-23	1200	11	12	7.0	7.0	6	6.0
AUG-SEP							
23-06	1715	12	13	7.0	7.1	7	6.0
SEP							
06-13	1000	12	13	7.0	6.8	7	6.0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)
JUN									
15-21	.62	.26	1.1	.48	.7	.63	.01	<.01	7.6
21-28	.58	.27	1.0	.45	.7	.59	<.01	<.10	7.4
JUN-JUL									
28-05	.62	.31	1.1	.47	.7	.56	<.01	<.10	7.7
JUL									
05-12	.62	.28	1.1	.48	.6	.58	<.01	<.10	7.7
12-19	.65	.33	1.1	.49	.7	.51	<.01	<.10	7.7
JUL-AUG									
19-01	.62	.26	1.0	.49	.7	.54	<.01	<.10	7.3
AUG									
01-09	.57	.25	.90	.46	.7	.55	<.01	<.10	6.9
09-16	.82	.24	1.0	.46	.7	.54	.02	<.10	7.1
16-23	.69	.25	1.1	.45	.6	.54	<.01	<.10	7.6
AUG-SEP									
23-06	.63	.31	1.2	.49	.7	.65	<.01	<.01	7.6
SEP									
06-13	.62	.24	1.1	.48	.6	.61	<.01	<.01	7.9

03544947 BRIER CREEK NEAR HIAWASSEE, GEORGIA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
JUN						
15-21	<.05	.001	<.010	10	7	1
21-28	<.05	.164	<.060	20	7	<1
JUN-JUL						
28-05	<.05	.080	<.060	20	8	<1
JUL						
03-12	<.05	.132	<.060	20	9	<1
12-19	<.05	.070	<.060	30	8	1
JUL-AUG						
19-01	<.05	.182	<.060	10	4	<1
AUG						
01-09	<.05	.023	<.060	<10	6	<1
09-16	<.05	.124	<.060	30	10	<1
16-23	<.05	.044	<.060	20	9	<1
AUG-SEP						
23-06	<.05	.133	<.010	<10	8	1
SEP						
06-13	<.05	<.001	<.010	<10	5	<1

03558000 TOCCOA RIVER NEAR DIAL, GA.

LOCATION.—Lat 34°47'24", long 84°14'24", Fannin County, Hydrologic Unit 06020003, on right bank 1.4 mi upstream from Shallowford Bridge, 1.8 mi upstream from Stanley Creek, 2.5 mi northwest of Dial, and at mile 69.1.
DRAINAGE AREA.- 177 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1912 to current year. Prior to January 1913 monthly discharges only, published in WSP 1306.
REVISED RECORDS.—WSP 823: Drainage area. WSP 1386: 1923(M), 1924, 1927(M), 1929-32(M), 1933, 1934(M), 1944(M).
GAGE.—Water-stage recorder. Datum of gage is 1,782.08 ft, National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927, to Nov. 16, 1928, nonrecording gage at same site and datum.
REMARKS.—Records good, except those of May 16-26 and May 28 to June 7, which are fair.
AVERAGE DISCHARGE.—72 years, 500 ft^3/s, 38.36 in/yr.
EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 14,700 ft^3/s Aug. 23, 1967, gage height, 13.73 ft, from rating curve extended above 5,000 ft^3/s on basis of slope-area measurement at gage height 11.[illegible]0 ft, and a contracted-opening measurement at 13.73 ft; minimum, 60 ft^3/s Sept. 6, 1925, gage height, 0.40 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of November 1906 reached a stage of 18.5 ft and is highest known since about 1840, from reports of Tennessee Valley Authority.
EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 28	1115	2790	5.21	Dec. 28	1315	2840	5.26
Dec. 4	0445	2770	5.19	Mar. 20	2330	2900	5.33
Dec. 6	1130	2680	5.09	May 3	0845	2520	4.91
Dec. 11	1900	3130	5.57	May 8	0245	*4050	6.46

Minimum daily discharge, 161 ft^3/s Nov. 13, 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	169	500	610	526	890	952	873	655	400	1320	281
2	187	169	445	580	512	818	872	908	634	385	1220	272
3	184	170	956	559	531	772	982	1930	614	374	839	273
4	188	213	1980	538	523	733	1560	1500	590	367	632	291
5	237	197	1030	535	500	797	1390	1150	570	390	542	269
6	212	175	1870	515	489	762	1140	1030	551	420	484	259
7	186	170	1250	498	466	710	1020	1090	532	665	454	253
8	181	167	919	480	463	675	955	2940	515	451	439	247
9	178	165	750	469	462	650	1210	1770	504	367	425	243
10	176	173	660	718	490	634	1100	1410	494	349	419	243
11	187	175	1520	770	534	621	1000	1250	483	334	418	242
12	201	164	1560	599	482	603	939	1150	476	363	429	238
13	450	161	1050	551	1200	617	890	1090	537	334	424	230
14	292	161	920	526	1590	590	856	1020	546	338	400	227
15	219	605	785	512	979	569	825	973	514	334	370	226
16	198	368	700	502	792	605	808	925	488	324	358	224
17	188	271	646	489	717	613	809	875	475	324	356	215
18	182	236	609	676	665	607	768	840	451	471	341	210
19	180	219	582	656	639	581	774	795	439	349	336	211
20	175	499	552	565	626	1270	919	770	428	320	326	209
21	172	452	529	531	591	1700	841	800	467	309	354	206
22	169	336	643	510	596	1030	854	855	484	346	325	199
23	313	347	560	498	1080	846	895	825	447	339	330	195
24	262	1470	513	1070	829	779	801	780	447	339	310	197
25	213	712	480	889	729	774	757	750	431	430	302	198
26	197	481	460	735	669	717	726	820	404	393	297	191
27	186	465	559	675	1330	703	803	897	393	481	313	189
28	180	1600	1640	629	1290	1620	778	803	385	448	314	194
29	176	916	1030	598	1040	1790	749	750	447	618	341	201
30	173	610	746	569	---	1240	883	696	471	1350	306	216
31	171	---	678	542	---	1050	---	670	---	1090	293	---
TOTAL	6404	12016	27122	18594	21340	26366	27856	32935	14872	13802	14017	6849
MEAN	207	401	875	600	736	851	929	1062	496	445	452	228
MAX	450	1600	1980	1070	1590	1790	1560	2940	655	1350	1320	291
MIN	169	161	445	469	462	569	726	670	385	309	293	189
CFSM	1.17	2.27	4.94	3.39	4.16	4.81	5.25	6.00	2.80	2.51	2.55	1.29
IN.	1.35	2.53	5.70	3.91	4.48	5.54	5.85	6.92	3.13	2.90	2.95	1.44

CAL YR 1983 TOTAL 214015 MEAN 586 MAX 2880 MIN 157 CFSM 3.31 IN 44.98
WTR YR 1984 TOTAL 222173 MEAN 607 MAX 2940 MIN 161 CFSM 3.43 IN 46.69

03358000 TOCCOA RIVER NEAR DIAL, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1978 to September 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	SPECIFIC CONDUCTANCE LAB (UMHOS)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT									
04...	1515	182	17.5	19	17	7.5	7.2	—	—
04...	1540	182	17.5	—	—	—	—	4	2.0
NOV									
08...	1400	166	9.5	—	—	—	—	2	.90
DEC									
20...	1715	546	6.0	17	17	6.9	6.8	—	—
JAN									
31...	1330	537	4.0	16	17	7.5	6.8	—	—
31...	1535	537	4.0	—	—	—	—	3	4.3
MAR									
13...	1530	634	8.0	—	—	—	—	8	14
APR									
24...	1420	798	11.0	—	—	—	—	11	24
JUN									
07...	1500	537	19.0	17	15	6.8	7.0	—	—
07...	1630	528	19.0	—	—	—	—	8	11
JUL									
17...	1540	317	21.0	20	15	7.2	7.3	—	—
17...	1615	317	21.0	—	—	—	—	7	6.0
AUG									
29...	1540	356	21.0	—	—	—	—	12	12
29...	1615	349	21.0	18	15	7.4	7.4	—	—

03566800 SOUTH CHICKAMAUGA CREEK AT GRAYSVILLE, GA.

LOCATION.--Lat 34°58'39", long 85°08'42", Catoosa County, Hydrologic Unit 06020001, at bridge on Graysville Road at Graysville, 200 ft above dam at Swanson Mill, and 19.5 mi above mouth.

DRAINAGE AREA.--198 mi^2.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
30...	0730	600	110	121	7.5	7.6	9.0	-3.0	10.3	91
JAN										
24...	1715	2500	70	80	7.4	7.3	4.0	8.0	12.0	94
MAR										
27...	1420	250	170	174	7.9	8.0	12.5	20.0	9.3	90
MAY										
30...	0630	290	160	166	7.7	7.9	17.5	7.0	7.9	84
JUL										
24...	1300	100	240	233	—	8.0	23.0	33.0	6.3	74
SEP										
25...	1130	60	275	264	7.9	8.0	19.5	29.0	7.3	80

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV										
30...	21	1.5	790	50	7	43	.68	<.020	.100	5.0
JAN										
24...	130	3.0	4900	36	9	27	.43	.100	.100	7.5
MAR										
27...	7.0	1.3	170	84	8	76	.25	.040	<.020	2.2
MAY										
30...	32	1.0	1300	80	8	72	.48	.040	.090	4.0
JUL										
24...	13	1.6	640	110	12	102	.47	.060	.050	1.9
SEP										
25...	6.0	.7	130	120	7	117	.31	.040	.040	1.6

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at Dyer Bridge on Cloud Springs Road, 3 mi southeast of Lakeview.
DRAINAGE AREA.--148 mi^2.
PERIOD OF RECORD.--August 1974 to current year.
REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 25...	1545	48	280	318	7.5	7.6	15.5	17.5	3.4	35
NOV 29...	1600	1500	92	102	7.3	7.5	11.0	12.5	8.4	78
DEC 28...	1300	1050	130	141	7.4	7.7	2.0	6.0	11.9	89
JAN 24...	1800	1030	130	144	7.7	7.7	4.5	8.0	11.7	93
FEB 29...	0745	850	150	168	7.5	7.8	8.0	-1.0	10.0	87
MAR 27...	1450	213	220	219	7.8	8.0	13.0	20.0	8.8	86
APR 23...	1630	860	155	166	7.5	7.7	15.0	14.0	8.0	83
MAY 30...	0600	115	260	247	7.7	7.9	18.0	6.0	6.3	67
JUN 26...	1030	68	235	232	7.5	7.7	22.0	28.0	4.9	57
JUL 24...	1230	92	260	243	7.2	7.8	22.0	31.5	5.3	61
AUG 29...	1400	72	255	257	--	8.0	22.5	26.0	6.3	74
SEP 25...	0925	50	290	286	7.5	7.7	20.0	30.5	5.0	56

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	10	2.7	790	130	0	137	15	.35	.090	1.10	8.8
NOV 29...	60	2.4	--	44	4	40	35	.27	.030	.220	6.8
DEC 28...	75	6.0	7900	68	3	65	178	.48	.220	.380	5.7
JAN 24...	140	2.8	1700	66	5	61	220	.51	.120	.110	7.0
FEB 29...	50	2.5	7000	76	6	70	58	.49	.110	.150	4.3
MAR 27...	14	1.8	330	110	4	102	32	.42	.050	.130	3.2
APR 23...	120	3.1	17000	82	12	70	168	.31	.150	.240	10
MAY 30...	17	1.0	1300	120	5	113	31	.69	.020	.130	2.8
JUN 26...	25	1.3	790	96	8	88	32	.95	.110	.280	5.0
JUL 24...	21	1.5	7000	110	8	106,	89	.47	.060	.270	5.3
AUG 29...	17	1.4	480	120	3	119	39	.66	.040	.040	3.0
SEP 25...	8.0	1.7	80	130	2	130	5	.47	.060	.410	4.4

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°53'51", long 85°27'47", Dade County, Hydrologic Unit 06020001, at bridge on county road, 0.5 mi downstream of Squirrel Town Creek, 2.2 mi southeast of New England, and at mile 16.3.
DRAINAGE AREA.--149 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1979 to current year.
GAGE.--Water-stage recorder. Datum of gage is 663.80 ft, National Geodetic Vertical Datum of 1929 (levels by Tennessee Valley Authority).
REMARKS.--Records good.
AVERAGE DISCHARGE.--5 years, 282 ft^3/s, 25.70 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft^3/s Aug. 17, 1982, gage height, 20.73 ft; minimum daily discharge, 16 ft^3/s Sept. 29 to Oct. 3, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 28	0545	5280	14.61	May 3	1030	*6710	15.46
Dec. 3	1830	5990	15.05	May 8	1815	4880	14.34
Dec. 28	1215	3530	13.36				

Minimum daily discharge, 18 ft^3/s Oct. 1-4, 6, 8-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	358	457	228	462	411	492	89	54	1180	40
2	18	19	280	377	201	398	350	781	82	51	729	38
3	18	19	4060	320	184	346	878	4840	77	53	508	38
4	18	27	4370	275	170	298	1210	2760	73	45	1370	38
5	19	23	1310	245	153	377	846	1120	70	49	1040	37
6	18	22	1430	216	138	458	641	784	66	47	549	35
7	19	21	990	185	119	379	510	714	63	315	383	34
8	18	20	668	158	109	331	420	4320	61	185	281	33
9	18	20	510	141	105	288	619	1800	58	96	219	33
10	18	21	395	394	119	255	645	958	55	69	177	32
11	19	21	450	740	195	231	524	698	53	59	149	32
12	19	21	591	490	168	208	437	545	52	54	130	32
13	23	20	457	394	561	191	374	443	51	163	108	33
14	23	20	411	337	725	171	325	366	50	116	92	32
15	21	64	365	286	552	151	281	298	49	86	81	31
16	20	61	302	265	445	165	245	249	48	70	74	30
17	19	43	255	238	374	178	221	213	46	66	70	30
18	19	40	221	477	315	201	197	187	45	61	64	30
19	19	38	194	517	276	225	175	167	44	56	63	29
20	19	110	170	395	245	697	302	152	43	52	60	29
21	19	134	150	333	213	914	277	155	51	49	55	29
22	19	67	327	283	190	619	375	171	44	49	53	28
23	22	218	384	277	191	475	493	140	83	46	54	28
24	22	989	298	1010	178	394	380	128	53	43	49	28
25	21	376	229	799	164	359	314	114	46	41	46	28
26	20	198	192	619	149	304	266	106	42	41	44	27
27	20	518	187	514	918	265	243	124	41	40	43	27
28	19	3900	2650	430	812	557	1060	122	40	38	43	27
29	19	1040	1690	366	577	933	934	137	74	66	42	27
30	19	527	802	311	---	621	638	114	66	157	44	27
31	19	---	578	261	---	495	---	98	---	1250	46	---
TOTAL	602	8616	25274	12110	8774	11946	14591	23296	1715	3565	7846	942
MEAN	19.4	287	815	391	303	385	486	751	57.2	115	253	31.4
MAX	23	3900	4370	1010	918	933	1210	4840	89	1250	1370	40
MIN	18	19	150	141	105	151	175	98	40	38	42	27
CFSM	.13	1.93	5.47	2.62	2.03	2.58	3.26	5.04	.38	.77	1.70	.21
IN.	.15	2.15	6.31	3.02	2.19	2.98	3.64	5.82	.43	.89	1.96	.24

CAL YR 1983 TOTAL 115731 MEAN 317 MAX 4370 MIN 15 CFSM 2.13 IN 28.89
WTR YR 1984 TOTAL 119277 MEAN 326 MAX 4840 MIN 18 CFSM 2.19 IN 29.78

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1979 to October 1981.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1980 to September 1984 (discontinued).
INSTRUMENTATION.--Water-temperature recorder November 1980 to September 1984.
REMARKS.--No daily water-temperature record Nov. 21 to Jan. 5, May 10-14, 19-30, and July 15 to Sept. 11.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum recorded, 26.5°C July 15, 16, 1981; minimum, 0.5°C Jan. 13, 1981.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 23.0°C June 17-22, July 13; minimum recorded, 4.0 °C Jan. 21, 22.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	17.0	15.0	15.0	13.5			---	---	8.0	6.5	8.5	6.5
2	19.0	14.5	15.5	14.0			---	---	8.5	7.0	10.0	7.5
3	17.5	15.0	15.5	14.5			---	---	9.0	8.0	10.5	8.0
4	19.5	16.0	16.0	14.5			---	---	9.5	8.5	11.0	9.5
5	20.5	17.5	14.5	12.5			---	---	9.0	7.0	12.0	11.0
6	18.5	16.5	12.5	11.0			9.0	8.5	7.0	5.5	12.0	9.5
7	17.5	16.0	12.5	11.0			8.5	7.5	6.0	4.5	10.0	8.5
8	17.0	15.0	13.0	11.0			8.5	7.0	6.0	4.5	10.5	8.5
9	17.0	15.5	13.5	11.0			8.5	7.0	7.0	5.0	9.5	7.5
10	16.5	15.0	13.5	12.5			8.5	7.5	8.0	6.5	8.5	7.5
11	17.5	16.0	12.0	10.5			7.5	6.5	11.0	8.0	9.0	7.5
12	18.5	17.0	10.5	9.5			7.0	6.0	11.5	10.5	9.5	8.0
13	18.5	16.5	10.5	9.5			7.5	6.5	12.5	11.5	11.0	9.5
14	16.5	15.0	9.5	8.5			8.0	7.5	12.0	11.0	12.5	10.0
15	16.0	14.5	11.0	9.0			8.0	7.5	11.0	9.5	14.0	11.0
16	16.0	14.0	10.5	10.0			8.0	7.5	11.5	9.5	14.5	13.0
17	17.0	15.0	10.0	9.0			8.5	8.0	12.0	10.5	14.0	13.5
18	16.5	15.5	10.0	8.5			8.5	7.5	11.5	10.0	15.5	13.5
19	17.5	16.5	12.0	9.5			8.0	6.0	12.0	11.0	16.0	14.0
20	18.0	17.0	13.5	12.0			6.0	4.5	12.0	11.0	15.5	13.0
21	18.0	17.0	---	---			5.0	4.0	11.5	10.0	12.5	10.0
22	17.5	16.5	---	---			5.0	4.0	10.0	9.5	12.0	9.5
23	16.5	16.0	---	---			6.0	5.0	10.5	9.5	13.5	10.5
24	16.0	15.5	---	---			7.5	5.5	11.0	9.5	13.0	12.0
25	16.0	15.0	---	---			9.0	8.0	10.5	9.5	13.0	12.5
26	15.5	14.0	---	---			9.0	8.5	10.0	9.0	13.5	11.5
27	14.5	12.5	---	---			10.0	8.5	10.5	8.5	12.5	12.0
28	14.0	12.0	---	---			9.5	9.0	10.0	7.5	13.0	12.5
29	14.0	12.0	---	---			9.5	9.0	8.0	7.0	12.5	11.0
30	15.0	13.0	---	---			9.5	8.5	---	---	12.0	10.0
31	14.5	13.5	---	---			8.5	7.5	---	---	12.0	10.0
MONTH	20.5	12.0	16.0	8.5			10.0	4.0	12.5	4.5	16.0	6.5

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.0	10.5	16.5	14.0	16.5	14.5	21.0	20.0			---	---
2	13.5	10.5	16.0	14.5	17.5	15.0	21.0	20.5			---	---
3	13.0	12.0	15.5	14.5	19.0	16.5	21.0	20.0			---	---
4	14.5	13.0	16.0	15.0	19.5	17.5	21.0	20.5			---	---
5	13.5	11.5	15.5	14.5	19.5	18.5	21.5	20.5			---	---
6	13.0	11.0	16.0	15.0	19.5	19.0	21.5	21.0			---	---
7	13.5	11.0	17.0	16.0	20.0	19.5	22.0	20.5			---	---
8	13.5	12.0	17.5	16.0	20.5	20.0	20.5	19.5			---	---
9	13.0	12.5	16.0	13.5	21.0	20.0	20.5	19.0			---	---
10	13.5	12.5	---	---	21.0	20.5	21.0	19.5			---	---
11	14.5	12.5	---	---	21.5	20.5	21.5	20.5			---	---
12	15.0	12.5	---	---	21.5	21.0	22.5	21.5			21.5	21.0
13	16.0	14.0	---	---	22.0	21.5	23.0	21.5			22.0	21.0
14	15.5	14.5	---	---	22.5	21.5	22.5	21.5			22.0	21.0
15	15.0	13.5	16.5	15.0	22.5	21.5	---	---			21.5	20.5
16	13.5	12.5	16.5	14.5	22.5	22.0	---	---			20.5	19.0
17	12.5	12.0	16.0	14.0	23.0	22.0	---	---			19.0	18.0
18	14.0	11.0	16.5	14.5	23.0	22.0	---	---			18.5	18.0
19	12.5	12.0	---	---	23.0	22.0	---	---			18.0	17.5
20	12.0	11.5	---	---	23.0	22.0	---	---			18.0	17.0
21	15.0	11.5	---	---	23.0	23.0	---	---			18.5	17.0
22	15.5	14.0	---	---	23.0	22.0	---	---			19.0	17.5
23	15.0	13.0	---	---	22.5	22.0	---	---			19.5	18.5
24	13.5	12.0	---	---	22.5	22.0	---	---			19.5	19.0
25	---	---	---	---	22.5	21.5	---	---			20.5	19.0
26	---	---	---	---	22.0	21.0	---	---			20.0	19.0
27	16.5	14.0	---	---	21.5	21.0	---	---			19.0	16.5
28	16.5	16.0	---	---	21.5	21.0	---	---			19.0	18.5
29	16.5	15.5	---	---	22.0	21.5	---	---			18.5	17.0
30	16.0	15.5	---	---	22.0	20.5	---	---			17.0	16.5
31	---	---	16.0	14.0	---	---	---	---			---	---
MONTH	16.5	10.5	17.5	13.5	23.0	14.5	23.0	19.0			22.0	16.5
YEAR	23.0	4.0										

LAKES IN TENNESSEE RIVER BASIN

03553000 NOTTELY LAKE.--Lat 34°57'29", long 84°05'22", Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 mi upstream from Dooley Creek, 1.7 mi southwest of Ivylog, 2.5 mi upstream from Georgia-North Carolina State line, and at mile 21.0. DRAINAGE AREA, 214 mi^2. PERIOD OF RECORD, January 1942 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

Lake is formed by rock and rolled earthfill dam with side channel spillway equipped with flashboards. Storage began Jan. 24, 1942; water in lake first reached minimum pool elevation Jan. 26, 1942. Total capacity at elevation 1,780.00 ft, top of flashboards, is 87,900 ft^3/s-days, of which 59,100 ft^3/s-days is controlled storage above elevation 1,735.00 ft, normal minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 94,100 ft^3/s-days Apr. 20, 1943, elevation, 1,780.50 ft; maximum elevation, 1,781.47 ft May 28, 1973; minimum (after first filling), 200 ft^3/s-days Oct. 6, 1947, elevation, 1638.6 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 86,400 ft^3/s-days May 29, elevation, 1,779.28 ft; minimum, 39,800 ft^3/s-days Feb. 10, elevation, 1,747.40 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	1759.58	53600	-	-
Oct. 31................	1754.77	47700	-5900	-190
Nov. 30................	1753.32	46100	-1600	-53
Dec. 31................	1751.68	44200	-1900	-61
CAL YR 1983	-	-	-200	-1
Jan. 31................	1749.26	41700	-2500	-81
Feb. 29................	1754.12	47000	+5300	+183
Mar. 31................	1761.58	56300	+9300	+31
Apr. 30................	1773.72	73300	+17000	+567
May 31................	1778.62	85100	+11800	+381
June 30................	1776.01	79800	-5300	-177
July 31................	1775.47	78700	-1100	-35
Aug. 31................	1770.54	69800	-8900	-287
Sept. 30................	1759.62	53600	-16200	-540
WTR YR 1984	-	-	0	0

03558500 BLUE RIDGE LAKE.--Lat 34°52'52", long 84°16'49", Fannin County, Hydrologic Unit 06020003, 400 ft upstream from Blue Ridge Dam on Toccoa River, 2.5 mi northeast of Blue Ridge, and at mile 53.0. DRAINAGE AREA, 232 mi^2. PERIOD OF RECORD, December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available). GAGE, water-stage recorder. Datum of gage is at Tennessee Electric Power Co. datum; to convert to National Geodetic Vertical Datum of 1929, subtract 0.18 ft from elevations given herein.

Lake is formed by earth dam. Spillway equipped with five taintor gates 15 ft high by 22 ft wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft, top of gates, is 98,800 ft^3/s-days, of which 92,800 ft^3/s-days is controlled storage above 1,590.00 ft, normal minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents recorded, 102,100 ft^3/s-days Feb. 11, 1946, elevation, 1,691.54 ft; minimum (after first filling), 6,500 ft^3/s-days Jan. 16, 1956, elevation, 1,587.75 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 94,200 ft^3/s-days May 4, elevation, 1,688.02 ft; minimum, 44,500 ft^3/s-days Nov. 23, elevation, 1,651.00 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30................	1670.10	67000	-	-
Oct. 31................	1657.10	51000	-16000	-516
Nov. 30................	1655.73	49600	-1400	-47
Dec. 31................	1664.27	59500	+9900	+319
CAL YR 1983	-	-	-1100	-3
Jan. 31................	1667.74	63900	+4400	+142
Feb. 28................	1676.02	75200	+11300	+390
Mar. 31................	1682.63	85400	+10200	+329
Apr. 30................	1686.21	91300	+5900	+197
May 31................	1686.94	92500	+1200	+39
June 30................	1684.90	89200	-3300	-110
July 31................	1683.85	87400	-1800	-58
Aug. 31................	1676.19	75400	-12000	-387
Sept. 30................	1662.96	57900	-17500	-583
WTR YR 1984	-	-	-9100	-25

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Savannah River Basin					
02191280	Mill Shoal Creek near Royston, Ga.	Lat 34°16'13", long 83°06'08", Hart County, Hydrologic Unit 03060103, at culvert on State Highway 17, 1.2 miles southeast of Royston.	0.32	1964-84	12-03-83	4.48	139
02191930	Buffalo Creek near Lexington, Ga.	Lat 33°46'40", long 83°03'01", Oglethorpe County, Hydrologic Unit 03060104, at culvert on State Highway 22, 7 miles southeast of Lexington.	5.80	1964-84	01-11-84	4.27	262
02192300	Hog Fork Fishing Creek tributary near Tignall, Ga.	Lat 33°49'05", long 82°45'21", Wilkes County, Hydrologic Unit 03060104, at culvert on State Highway 17, 4.2 miles south of Tignall.	.097	1959-84	07-14-84	8.97	98
02195150	Kiokee Creek at Appling, Ga.	Lat 33°32'33", long 82°18'56", Columbia County, Hydrologic Unit 03060106, at U.S. Highway 221, at Appling.	43.9	1984	05-04-84	10.18	(†)
02196570	Raes Creek tributary No. 2 at Augusta, Ga.	Lat 33°30'19", long 82°02'34", Richmond County, Hydrologic Unit 03060106, at culvert on Skinner Mill Road at junction with Boy Scout Road, at Augusta.	.66	1979-84	05-03-84	7.26	177
02196605	Raes Creek tributary No. 1 at Augusta, Ga.	Lat 33°29'36", long 82°02'17", Richmond County, Hydrologic Unit 0306106, at culvert on Boy Scout Road at Augusta.	1.67	1979-84	07-01-84	7.10	795
02196725	Oates Creek at Augusta, Ga.	Lat 33°27'19", long 82°00'23", Richmond County, Hydrologic Unit 03060106, at culvert on White Road at Augusta.	2.13	1979-84	05-04-84	4.81	154
02196730	Oates Creek at Old Savannah Road, at Augusta, Ga.	Lat 33°26'39", long 81°59'39", Richmond County, Hydrologic Unit 03060106, at culvert on Old Savannah Road, at Augusta.	4.60	1979-84	05-04-84	7.45	328
02196760	Rocky Creek tributary at Augusta, Ga.	Lat 33°27'07", long 82°02'57", Richmond County, Hydrologic Unit 03060106, at culvert on U.S. Highways 78 and 278 at Augusta.	1.65	1979-84	05-03-84	5.12	372
02196850	Butler Creek tributary at Augusta, Ga.	Lat 33°25'00", long 82°04'41", Richmond County, Hydrologic Unit 03060106, at culvert on Meadowbrook Drive, at Augusta.	.30	1979-84	03-25-84	9.19	57
02197190	McBean Creek near McBean, Ga.	Lat 33°14'12", long 82°02'38", Richmond-Burke County line, Hydrologic Unit 03060106, at State Highway 21, 5.5 miles west of McBean.	41.4	1963-84	07-31-84	4.22	264

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† Discharge not determined.

Crest-stage partial-record stations--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Savannah River Basin--Continued					
02198532	Ebenezer Creek tributary near Kildare, Ga.	Lat 32°33'04", long 81°22'15", Effingham County, Hydrologic Unit 03060109, at culvert on Clyo Road, near Kildare.	a1.11	1979-84	05-03-84	1.07	29
02198740	Lockner Creek tributary near Rincon, Ga.	Lat 32°20'54", long 81°11'11", Effingham County, Hydrologic Unit 03060109, at culvert on unpaved road, 0.4 mile west of intersection with Old Augusta Road near Rincon.	a1.7	1979-84	09-04-79 03-13-80 08-19-81 07-09-82 03-17-83 03-06-83	8.23 3.14 2.36 4.06 3.77 3.58	109 41 27 57 51 48
		Ogeechee River Basin					
02200000	Ogeechee River at Jewell, Ga.	Lat 33°17'48", long 82°46'40", Hancock-Warren County line, Hydrologic Unit 03060201, at State Highway 16, at Jewell.	242	1984	05-04-84	15.99	(†)
02200400	Rocky Comfort Creek near Grange, Ga.	Lat 33°06'09", long 82°34'02", Jefferson County, Hydrologic Unit 03060201, at State Highway 88, 1.5 miles northeast of Grange.	188	1979-84	05-05-84	11.93	1,760
02200930	Ogeechee River tributary near Louisville, Ga.	Lat 32°55'20", long 82°18'49", Jefferson County, Hydrologic Unit 03060201, at culvert on State Highway 17, 8.5 miles southeast of Louisville.	14.2	1965-84	03-25-84	4.31	258
02200950	Ogeechee River near Wadley, Ga.	Lat 32°52'11, long 82°19'11", Jefferson County, Hydrologic Unit 03060201, at bridge on State Highway 78, 4.5 miles east of Wadley.	a990	1970-84	1984	d<10.2	<4,200
02202000	Ogeechee River at Scarboro, Ga.	Lat 32°42'38", long 81°52'46", Jenkins County, Hydrologic Unit 03060202, at abandoned highway bridge at Scarboro, 7.5 miles southeast of Millen.	a1,940	1938-71*, 1972-84	03-08-84	8.89	6,560
02202605	Mill Creek near Pembroke, Ga.	Lat 32°09'39", long 81°36'15", Bryan County, Hydrologic Unit 03060202, at culvert on State Highway 119, near Pembroke.	a3.53	1979-84	c07-12-82 01-27-84	2.19 2.70	104 154
02202865	Canoochee River near Metter, Ga.	Lat 32°31'20", long 82°05'25", Candler County, Hydrologic Unit 03060203, at State Highways 23 and 121, 5 miles south of Metter.	202	1970-84	03-07-84	9.48	1,380
02202910	Ten Mile Creek tributary at Pulaski, Ga.	Lat 32°23'18", long 81°58'17", Candler County, Hydrologic Unit 03060203, at culvert on State Highway 46, 0.8 mile west of Pulaski.	1.14	1965-84	05-03-84	4.74	189
02203280	Canoochee River near Daisy, Ga.	Lat 32°08'54", long 81°46'54", Evans County, Hydrologic Unit 03060203, at U.S. Highway 280, 3 miles east of Daisy.	833	1970-84	03-08-84	13.27	7,090
02203540	Grove River tributary near Savannah, Ga.	Lat 31°58'28", long 81°13'10", Chatham County, Hydrologic Unit 03060204, at culvert on Grove Point Road, near Savannah.	a0.67	1979-84	01-27-84	4.64	68

† Discharge not determined.
* Operated as a continuous-record gaging station.
a Approximately.
c Revised.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Ogeechee River Basin--Continued					
02203541	Harmon Canal tributary at Savannah, Ga.	Lat 32°00'02", long 81°06'49", Chatham County, Hydrologic Unit 03060204, at culvert on Hodgson Memorial Drive, at Savannah.	0.24	1979-84	08-19-84	6.54	74
02203543	Wilshire Canal near Savannah, Ga.	Lat 31°59'27", long 81°08'15", Chatham County, Hydrologic Unit 03060204, at culvert on Tibet Avenue near Savannah.	.95	1979-84	09-04-79 06-21-80 08-12-81 05-30-82 09-01-83 08-20-84	7.95 7.21 8.49 6.91 8.89 7.48	221 204 235 197 246 211
02203544	Wilshire Canal tributary near Savannah, Ga.	Lat 31°58'25", long 81°08'20", Chatham County, Hydrologic Unit 03060204, at culvert on Windsor Road near Savannah.	.18	1979-84	09-04-79 08-09-80 08-12-81 05-30-82 06-22-83 08-20-84	3.82 3.14 3.43 3.66 4.39 3.57	78 69 73 76 82 75
		Altamaha River Basin					
02203800	South River at Atlanta, Ga.	Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at Bouldercrest Drive at Atlanta.	41.5	1951-84	07-31-84	5.82	2,230
02203835	Shoal Creek near Atlanta, Ga.	Lat 33°44'48", long 84°16'50", DeKalb County, Hydrologic Unit 03070103, at culvert on Line Street near Atlanta.	3.43	1974-84	02-27-84	5.75	812
02203845	Shoal Creek tributary near Atlanta, Ga.	Lat 33°43'05", long 84°15'45", DeKalb County, Hydrologic Unit 03070103, at culvert on Glendale Drive near Atlanta.	.84	1973-78, 1980-84	07-02-84	3.35	222
02203884	Conley Creek near Forest Park, Ga.	Lat 33°38'08", long 84°20'37", Clayton County, Hydrologic Unit 03070103, at culvert on Rock Cut Road near Forest Park.	1.88	1973-78, 1980-84	05-03-84	5.85	654
02204135	Camp Creek tributary near Stockbridge, Ga.	Lat 33°34'35", long 84°08'50", Henry County, Hydrologic Unit 03070103, at culvert on State Highway 155, 5 miles northeast of Stockbridge.	.28	1977-84	1984	d<3.10	<6
02206500	Yellow River near Snellville, Ga.	Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, on left bank at downstream side of county highway bridge, 3.2 miles west of Snellville.	134	1943-71*, 1973-84	12-06-83	13.65	4,420
02213350	Tobesofkee Creek below Forsyth, Ga.	Lat 32°59'37", long 83°56'41", Mouroe County, Hydrologic Unit 03070103, at State Highway 42, 3 miles west of Forsyth.	53.4	1963-72, 1974-84	08-02-84	2.62	3,440
02214280	Savage Creek near Bullard, Ga.	Lat 32°35'36", long 83°28'11", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 23, 3 miles southeast of Bullard.	33.0	1979-84	03-02-84	8.39	188
02214820	Mossy Creek near Perry, Ga.	Lat 32°31'15", long 83°43'23", Houston County, Hydrologic Unit 03070104, at U.S. Highway 41, 4.5 miles north of Perry.	92.9	1979-84	08-02-84	7.71	603

* Operated as a continuous-record gaging station.

d Peak stage did not reach bottom of gage.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Altamaha River Basin--Continued					
02215100	Tucsawhatchee River near Hawkinsville, Ga.	Lat 32°14'22", long 83°30'06", Pulaski County, Hydrologic Unit 03070104, at State Highways 27 and 257, 3.5 miles southeast of Hawkinsville.	163	1984	05-30-84	14.13	2,050
02215245	Frisom Creek tributary near Rochelle, Ga.	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State Highway 233, 4 miles north of Rochelle.	1.44	1965-84	03-05-84	3.11	121
02215800	Gum Swamp Creek near Chauncey, Ga.	Lat 32°07'28", long 83°03'37", Dodge County, Hydrologic Unit 03070105, at State Highway 165, 1.6 miles north of Chauncey.	221	1984	03-06-84	7.51	1,850
02217380	Mulbery River near Winder, Ga.	Lat 34°93'08", long 53°39'49", Barrow-Jackson County line, Hydrologic Unit 03070101, at State Highway 11, 4.5 miles northeast of Winder.	142	1984	12-06-83	13.79	5,710
02217400	Mulberry River tributary near Winder, Ga.	Lat 34°03'53", long 83°39'45", Jackson County, Hydrologic Unit 03070101, at culvert on State Highway 11, 6 miles northeast of Winder.	2.68	1965-84	12-06-83	3.12	495
02217505	Brooklyn Creek at Athens, Ga.	Lat 33°56'32", long 83°24'07", Clarke County, Hydrologic Unit 03070101, at culvert on Dudley Drive, at Athens.	1.44	1979-84	07-16-84	9.97	548
02217506	Brooklyn Creek tributary at Athens, Ga.	Lat 33°56'26", long 83°23'48", Clarke County, Hydrologic Unit 03070101, at culvert on McWhorter Road, at Athens.	0.20	1979-84	07-16-84	4.19	89
02217730	Tributary of North Oconee River tributary No. 2, at Athens, Ga.	Lat 33°58'16", long 83°23'59", Clarke County, Hydrologic Unit 03070101, at culvert on U.S. Highway 29, at Athens.	.30	1979-84	07-29-84	9.44	162
02217750	North Oconee River tributary at Athens, Ga.	Lat 33°58'11", long 83°23'14", Clarke County, Hydrologic Unit 03070101, at culvert on Barber Street at Athens.	.35	1979-84	05-02-84	4.02	128
02217905	Tanyard Creek at Athens, Ga.	Lat 33°57'05", long 83°22'42", Clarke County, Hydrologic Unit 03070101, at culvert on Baxter Street at Athens.	.56	1979-84	05-02-84	7.51	336
02217990	Cedar Creek tributary near Whitehall, Ga.	Lat 33°55'02", long 83°20'05", Clarke County, Hydrologic Unit 03070101, at culvert on Forest Road near Whitehall.	.30	1979-84	07-06-84	6.74	135
02218450	Town Creek near Greensboro, Ga.	Lat 33°38'29", long 83°13'36", Greene County, Hydrologic Unit 03070101, at State Highway 15, 5 miles northwest of Greensboro.	11.9	1964-84	01-11-84	5.32	274
02223082	Buffalo Creek near Linton, Ga.	Lat 33°06'27", long 82°57'34", Hancock-Washington County line, Hydrologic Unit 03070102, at county road, 2 miles southeast of Linton.	92.9	1984	02-27-84	13.00	(†)

† Discharge not determined.

Crest-stage partial-record stations--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Altamaha River Basin--Continued					
02223349	Big Sandy Creek tributary near Irwinton, Ga.	Lat 32°48'11", long 83°13'37", Wilkinson County, Hydrologic Unit 03070102, at culvert on county road, 1.7 miles southwest of Irwinton.	a0.50	1978-84	03-06-84	1.80	22
02223360	Big Sandy Creek near Irwinton, Ga.	Lat 32°45'59", long 83°10'05", Wilkinson County, Hydrologic Unit 03070102, at bridge on U.S. Highway 411, 2 miles south of Irwinton.	177	1970-84	07-30-84	4.59	1,370
02224100	Turkey Creek near Dublin, Ga.	Lat 32°27'16", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at U.S. Highways 319 and 441, 5 miles south of Dublin.	316	1984	05-29-84	13.00	(†)
02225250	Little Ohoopee River near Swainsboro, Ga.	Lat 32°33'44", long 82°28'03", Emanuel County, Hydrologic Unit 03070107, at U.S. Highway 80, 9 miles west of Swainsboro.	216	1970, 1972, 1980-84	03- -84	d<6.9	<2,300
02225320	Ohoopee River near Aline, Ga.	Lat 32°20'53", long 82°14'52", Emanuel County line, Hydrologic Unit 03070107, at bridge on county road, 5 miles west of Aline.	698	1975, 1980-84	03-06-84	12.90	3,900
02225330	Beaver Creek near Cobbtown, Ga.	Lat 32°16'52", long 82°11'27", Tattnall County, Hydrologic Unit 03070107, at culvert on State Highway 152, 3.2 miles west of Cobbtown.	9.58	1965-84	05-03-84	5.35	488
02225350	Pendleton Creek tributary No. 2 near Soperton, Ga.	Lat 32°25'35", long 82°29'52", Treutlen County, Hydrologic Unit 03070107, at culvert on State Highway 86, 6.5 miles northeast of Soperton.	1.68	1965-84	05-03-84	3.47	290
02225850	Beards Creek near Glennville, Ga.	Lat 31°55'26", long 81°52'58", Tattnall-Long County line, Hydrologic Unit 03070106, at State Highway 144, 3 miles east of Glennville.	74.4	1966-84	01-27-84	6.09	1,310
02226030	Doctors Creek near Ludowici, Ga.	Lat 31°44'07", long 81°42'08", Long County, Hydrologic Unit 03070106, at State Highway 38, 3 miles northeast of Ludowici.	a33	1966-84	01-27-84	8.39	750
		Satilla River Basin					
02226190	Little Creek (formerly published as 02226150, Satilla River tributary) near Willacoochee, Ga.	Lat 31°27'24", long 83°03'02", Coffee County, Hydrologic Unit 03070201, at culvert on State Highway 149, 8.5 miles north of Willacoochee.	6.38	1965-84	03-06-84	5.15	620
02226465	Dryden Creek near Dixie Union, Ga.	Lat 31°20'23", long 82°28'43", Ware County, Hydrologic Unit 0307201, at culvert on county road, 0.7 mile west of Dixie Union.	14.7	1978-84	03-06-04	7.27	848
02226580	Big Creek near Hoboken, Ga.	Lat 31°10'28", long 82°11'17", Brantley County, Hydrologic Unit 03070201, at State Highway 50, 2.5 miles west of Hoboken.	a60	1966-84	03-07-84	12.96	3,130

† Discharge not determined.
a Approximately.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Satilla River Basin--Continued					
02227000	Hurricane Creek near Alma, Ga.	Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at bridge on U.S. Highway 1, 1.5 miles north of Alma.	139	1952-71*, 1972-84	03-08-84	8.52	3,260
02227290	Alabaha River near Blackshear, Ga.	Lat 31°33'44", long 82°28'03", Pierce County, Hydrologic Unit 03070201, at bridge on State Highways 15 and 121, 3 miles north of Blackshear.	414	1970-84	03-08-84	15.77	8,740
02227422	Crooked Creek tributary near Bristol, Ga.	Lat 31°26'24", long 82°15'03", Pierce County, Hydrologic Unit 03070202, on county road, 2 miles west of Bristol.	.42	1976-84	03-06-84	2.42	57
02227990	Satilla River tributary No. 2 at Atkinson, Ga.	Lat 31°13'32", long 81°51'10", Brantley County, Hydrologic Unit 03070201, on State Highway 110, 0.3 mile north of Atkinson.	.38	1977-84	03-06-84	2.31	67
02228030	Buffalo Creek at Hickox, Ga.	Lat 31°09'22", long 81°59'29", Brantley County, Hydrologic Unit 03070201, at State Highway 23 at Hickox.	a59	1966-84	03-07-84	9.17	2,670
02228055	Satilla River tributary No. 3 near Winokur, Ga.	Lat 30°59'59", long 81°57'30", Charlton County, Hydrologic Unit 03070201, at county road, 5.3 miles southeast of Winokur.	1.91	1980-84	03-27-84	8.97	511
		Suwannee River Basin					
02314700	Suwannoochee Creek near Thelma, Ga.	Lat 30°49'18", long 82°50'28", Clinch-Echols County line, Hydrologic Unit 03110201, at State Highway 187, 1.2 miles west of Thelma.	232	1929, 1963-84	03-09-84	7.87	2,020
02316390	Alapaha River at Lakeland, Ga.	Lat 31°02'46", long 83°02'37", Lanier County, Hydrologic Unit 03110202, at bridge on U.S. Highways 129 and 221 at Lakeland.	1,080	1970-84	03-10-84	19.43	10,200
02317600	Little River near Statenville, Ga.	Lat 30°42'13", long 83°07'18", Echols County, Hydrologic Unit 03110202, at State Highway 376, 5 miles west of Statenvile.	199	1984	03-28-84	17.36	11,000
02317710	Withlacoochee River tributary near Nashville, Ga.	Lat 31°11'54", long 83°17'17", Berrien County, Hydrologic Unit 03110202, at culvert on State Highway 76, 2.2 miles southwest of Nashville.	.86	1960-84	03-06-84	5.20	191
02317734	New River near Nashville, Ga.	Lat 31°10'37", long 83°19'20", Berrien-Cook County line, Hydrologic Unit 03110203, at bridge on State Highway 76, 5 miles west of Nashville.	146	1970-84	03-07-84	12.50	6,350
02317775	Daniels Creek near Ashburn, Ga.	Lat 31°40'40", long 83°45'06", Turner County, Hydrologic Unit 03110204, at culvert on State Highway 32, 6.2 miles west of Ashburn.	1.11	1965-84	03-06-84	2.67	143

* Operated as a continuous-record gaging station.
a Approximately.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Date	Gage height (feet)	Discharge (ft³/s)
		Suwannee River Basin--Continued					
02317780	Lime Sink Creek near Sycamore, Ga.	Lat 31°36'20", long 83°40'31", Turner County, Hydrologic Unit 03110204, at culvert on secondary road 1181, 4.5 miles southwest of of Sycamore.	.68	1965-84	03-06-84	3.38	e75
02317810	Little River tributary No. 2 near Tifton, Ga.	Lat 31°25'30", long 83°34'23", Tift County, Hydrologic Unit 03110204, at culvert on secondary road 546, 4 miles southwest of Tifton.	.47	1965-84	03-06-84	4.22	147
02317870	Warrior Creek near Sumner, Ga.	Lat 31°21'45", long 83°46'11", Worth County, Hydrologic Unit 03110204, at county road, 10.8 miles south of Sumner.	a109	1966-84	03-06-84	14.01	3,720
02318600	Okapilco Creek near Berlin, Ga.	Lat 31°02'48", long 83°37'02", Colquitt County, Hydrologic Unit 03110203, on county road, 1 mile south of Berlin.	101	1963-84	03-06-84	13.43	7,890
02318725	Okapilco Creek at Quitman, Ga.	Lat 30°47'09", long 83°31'34", Brooks County, Hydrologic Unit 03110203, at U.S. Highway 84 at Quitman.	278	1970-73, 1978-84	03-08-84	16.16	12,000
		Aucilla River Basin					
02326200	Aucilla River near Boston, Ga.	Lat 30°46'44", long 83°48'12", Thomas County, Hydrologic Unit 03110103, at bridge on State Highway 133, 1.2 miles south of Boston.	a81	1962-84	03-07-84	8.56	4,020
		Ochlockonee River Basin					
02327350	Ochlockonee River tributary near Coolidge, Ga.	Lat 31°01'33", long 83°57'32", Thomas County, Hydrologic Unit 03120002, at culvert on State Highway 202, 5.5 miles west of Coolidge.	1.81	1965-84	01-24-84	4.35	534
02327355	Ochlockonee River near Coolidge, Ga.	Lat 31°00'08", long 83°56'21", Thomas County, Hydrologic Unit 03120002, at State Highway 188, 4 miles west of Coolidge.	260	1981-84	03-07-84	17.28	13,100
02327415	Little Ochlockonee River near Moultrie, Ga.	Lat 31°07'02", long 83°58'42", Colquitt County, Hydrologic Unit 03120002, at State Highway 111, 10 miles west of Moultrie.	44.8	1981-84	03-06-84	9.91	5,020
02327550	Barnetts Creek near Meigs, Ga.	Lat 31°01'32", long 84°08'14", Grady County, Hydrologic Unit 03120002, at State Highway 111, 4.2 miles southwest of Meigs.	15.0	1965-75, 1978-84	03-06-84	7.59	3,980
02327810	Ochlockonee River near Cairo, Ga.	Lat 30°47'30", long 84°09'16", Grady County, Hydrologic Unit 03120002, at bridge on State Highway 93, 5 miles south of Cairo.	747	1970-84	03-08-84	29.31	33,000
02327860	Popple Branch near Whigham, Ga.	Lat 30°55'36", long 84°15'18", Grady County, Hydrologic Unit 03120002, at culvert on State Highway 179, 3.2 miles north of Whigham.	1.71	1977-84	03-06-84	5.65	444

a Approximately.
e Estimate on basis of downstream gage.

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Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin					
02336080	North Fork Peachtree Creek near Chamblee, Ga.	Lat 33°51'43", long 84°17'13", DeKalb County, Hydrologic Unit 03130001, at culvert on Shallowford Road near Chamblee.	19.1	1974-84	07-14-84	11.35	2,140
02336090	North Fork Peachtree Creek tributary near Chamblee, Ga.	Lat 33°50'53", long 84°17'57", DeKalb County, Hydrologic Unit 03130001, at culvert on Meadowcliff Drive near Chamblee.	0.32	1974-84	05-03-84	9.83	233
02336102	North Fork Peachtree Creek tributary near Atlanta, Ga.	Lat 33°50'20", long 84°19'19", DeKalb County, Hydrologic Unit 03130001, at culvert on Drew Valley Road near Atlanta.	2.19	1973-78, 1980-84	05-03-84	6.78	861
02336238	South Fork Peachtree Creek tributary near Atlanta, Ga.	Lat 33°47'11", long 84°20'29", DeKalb County, Hydrologic Unit 03130001, at culvert on East Rock Springs Road near Atlanta.	.90	1974-84	07-14-84	5.51	790
02336700	South Utoy Creek tributary at East Point, Ga.	Lat 33°41'25", long 84°28'05", Fulton County, Hydrologic Unit 03130002, at culvert on Headland Drive at East Point.	.79	1964-69*, 1970-78, 1980-84	05-03-84	4.30	275
02337448	Hurricane Creek tributary near Fairplay, Ga.	Lat 33°35'03", long 84°50'54", Douglas County, Hydrologic Unit 03130002, at culvert on State Highway 5, 8 miles east of Fairplay.	.33	1977-84	12-06-83	4.72	44
02340250	Flat Shoal Creek near West Point, Ga.	Lat 32°53'53", long 85°04'41", Troup County, Hydrologic Unit 03130002, at State Highway 18, 5 miles east of Interstate Highway 85, near West Point.	204	1984	12-04-83	10.42	(†)
02341220	Mulberry Creek near Mulberry Grove, Ga.	Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove.	190	1984	12-11-83	11.29	(†)
02341542	Flat Rock Creek at Columbus, Ga.	Lat 32°32'57", long 84°53'07", Muscogee County, Hydrologic Unit 03130003, at bridge on Warm Springs Road at Columbus.	6.54	1977-84	12-11-83	5.15	215
02341544	Mill Branch at Columbus, Ga.	Lat 32°28'19", long 84°53'58", Muscogee County, Hydrologic Unit 03130003, at culvert on Chalbena Road at Columbus.	1.58	1977-84	08-12-84	4.30	388
02341546	Bull Creek tributary at Columbus, Ga.	Lat 32°28'33", long 84°55'36", Muscogee County, Hydrologic Unit 03130003, at culvert on Woodland Drive at Columbus.	.26	1977-84	08-12-84	3.36	49
02341548	Lindsey Creek tributary at Columbus, Ga.	Lat 32°31'33", long 84°56'21", Muscogee County, Hydrologic Unit 03130003, at culvert on Canberra Avenue at Columbus.	1.42	1977-84	12-11-83	3.90	241
02341600	Juniper Creek near Geneva, Ga.	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Highway 41, 1.8 miles south of Geneva.	47.4	1963-84	03-06-84	6.79	636

* Operated as a continous-record gaging station.

† Discharge not determined.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin--Continued					
02341723	Pine Knot Creek near Juniper, Ga.	Lat 32°26'14", long 84°39'25", Marion County, Hydrologic Unit 03130003, at State Highway 355, 8 miles south of Juniper.	31.3	1979-84	03-06-83 03-06-84	5.89 5.32	378 290
02341900	Ochillee Creek near Cusseta, Ga.	Lat 32°21'53", long 84°49'02", Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta.	53.3	1979-84	12-12-83	7.22	585
02343219	Pluff Springs Branch near Lumpkin, Ga.	Lat 32°01'53", long 84°53'18", Stewart County, Hydrologic Unit 03130003, at culvert on State Highway 27, 5.8 miles southwest of Lumpkin.	2.98	1977-84	12-11-83	1.66	90
02343244	Cemochechobee Creek near Coleman, Ga.	Lat 31°39'12", long 84°53'02", Randolph County, Hydrologic Unit 03130004, at county bridge, 1.5 miles south of Coleman.	15.3	1984	05-02-84	7.46	(†)
02343267	Temple Creek near Blakely, Ga.	Lat 31°26'34", long 84°59'00", Early County, Hydrologic Unit 03130004, at culvert on State Highway 39, 5.2 miles north of Blakely.	2.78	1978-84	12-06-83	1.72	47
02346193	Scott Creek near Talbotton, Ga.	Lat 32°39'48", long 84°36'06", Talbot County, Hydrologic Unit 03130005, at culvert on county road, 3.7 miles west of Talbotton.	3.36	1969-84	12-12-83	3.98	234
02346195	Lazer Creek near Talbotton, Ga.	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles south of Talbotton.	81.3	1984	12-12-83	12.90	(†)
02346210	Kimbrough Creek near Talbotton, Ga.	Lat 32°41'19", long 84°30'48", Talbot County, Hydrologic Unit 03130005, at culvert on State Highway 22, 1.8 miles southeast of Talbotton.	6.62	1969-84	02-14-84	4.16	850
02346217	Coleoatchee Creek near Manchester, Ga. (formerly published as Caleoth Creek near Manchester, Ga.)	Lat 32°49'20", long 84°36'16", Talbot County, Hydrologic Unit 03130005, at culvert on county road, 2.2 miles south of Manchester.	2.82	1969-84	12-12-83	1.28	78
02348300	Patsiliga Creek near Reynolds, Ga.	Lat 32°34'20, long 84°05'27", Taylor County, Hydrologic Unit 03130005, at State Highway 128, 1 mile north of Reynolds.	139	1963-84	03-07-84	6.81	888
02348485	Whitewater Creek near Butler, Ga.	Lat 32°30'14", long 84°20'03", Taylor County, Hydrologic Unit 03130005, at State Highway 137, 6.5 miles southwest of Butler.	17.3	1981-84	03-06-83 03-06-84	7.46 6.94	138 106
02349030	Cedar Creek near Rupert, Ga.	Lat 32°23'21", long 84°17'49", Taylor County, Hydrologic Unit 03130005, at U.S. Highway 19, 3 miles south of Rupert.	41.1	1980-84	03-13-80 04-01-81 02-04-82 03-06-83 02-12-84	3.40 4.11 3.40 4.27 2.76	290 432 290 464 194

† Discharge not determined.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin--Continued					
02349330	Buck Creek tributary near Tazewell, Ga.	Lat 32°20'50", long 84°22'26", Schley County, Hydrologic Unit 03130006, at culvert on State Highway 240, 4.3 miles east of Tazewell.	a0.40	1977-84	02-12-84	2.05	22
02349350	Buck Creek near Ellaville, Ga.	Lat 32°18'35", long 84°17'36", Schley County, Hydrologic Unit 03130006, at U.S. Highway 19, 5 miles north of Ellaville.	146	1979-84	02-12-84	6.67	635
02349695	Horsehead Creek near Montezuma, Ga.	Lat 32°21'28", long 83°56'11", Macon County, Hydrologic Unit 03130006, at culvert on State Highway 224, 8.7 miles northeast of Montezuma.	.72	1977-84	05-29-84	3.38	67
02350685	Choctahatchee Creek tributary near Plains, Ga.	Lat 32°02'02", long 84°25'59", Sumter County, Hydrologic Unit 03130007, at culvert on U.S. Highway 280, 2.4 miles west of Plains.	.32	1977-84	07-29-84	1.42	20
02356640	Spring Creek at Colquitt, Ga.	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27 at Colquitt.	281	1981-84	12-07-83	9.34	3,810
		Mobile River Basin					
02381300	Fir Creek near Ellijay, Ga.	Lat 34°41'06", long 84°37'23", Gilmer County, Hydrologic Unit 03150102, at culvert on State Highway 282, 8 miles west of Ellijay.	1.35	1966-84	12-27-83	2.05	59
02384600	Mill Creek tributary near Eton, Ga.	Lat 34°49'38", long 84°48'58", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 286, 3 miles west of Eton.	4.28	1965-84	05-02-84	6.56	662
02384630	Conasauga River near Dawnville, Ga.	Lat 34°48'03", long 84°50'18", Whitfield-Murray County line, Hydrologic Unit 03150101, 2.6 miles southeast of Dawnville.	303	1984	05-03-84	18.79	(†)
02386170	Conasauga River below Dalton, Ga.	Lat 34°42'24", long 84°53'47", Whitfield County, Hydrologic Unit 03150101, 5 miles southwest of Dalton.	624	1980-84	05-04-84	659.90	(†)
02387300	Dead Mans Branch near Resaca, Ga.	Lat 34°35'44", long 84°52'11", Gordon County, Hydrologic Unit 03150101, at culvert on State Highway 225, 4.2 miles east of Resaca.	.17	1965-84	12-03-83	5.06	123
02388200	Storey Mill Creek (prior to 1974, published as Moss Creek tributary) near Summerville, Ga.	Lat 34°25'39", long 85°16'03", Chattooga County, Hydrologic Unit 03150103, at culvert on county road 6 miles southeast of Summerville.	6.02	1966-84	04-04-84	8.63	1,430
02394820	Euharlee Creek at Rockmart, Ga.	Lat 33°59'55", long 85°03'09", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278 (State Highway 6) at Rockmart.	42.1	1961, 1974, 1979, 1984	02-21-61 04-04-74 03-04-79 12-06-83	14.2 13.8 15.0 8.33	5,920 5,500 7,000 1,380

† Discharge not determined.
a Approximately.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River Basin--Continued					
02395990	Etowah River tributary near Rome, Ga.	Lat 34°16'02", long 85°08'18", Floyd County, Hydrologic Unit 03150104, at culvert on Atteiram Road near Rome.	.37	1979-84	07-17-84	5.82	125
02396290	Silver Creek tributary No. 1 near Rome, Ga.	Lat 34°10'24", long 85°09'21", Floyd County, Hydrologic Unit 03150104, at culvert on Silver Creek Road, near Rome.	.67	1979-84	07-31-84	4.10	131
02396510	Silver Creek tributary No. 2 at Lindale Road, near Rome, Ga.	Lat 34°12'56", long 85°10'09", Floyd County, Hydrologic Unit 03150104, at culvert on Lindale Road, near Rome.	c.11	1979-84	04-28-84	3.41	35
02396515	Silver Creek tributary No. 2 at U.S. Highways 27 and 411, near Rome, Ga.	Lat 34°13'08", long 85°10'27", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. Highways 27 and 411, at junction with Old Lindale Road near Rome.	c.23	1979-84	07-31-84	3.95	78
02396550	Silver Creek tributary No. 3 at Rome, Ga.	Lat 34°13'26", long 85°09'14", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. Highway 27, 0.4 mile north of U.S. Highway 411 interchange at Rome.	c.19	1979-84	07-29-84	4.90	158
02396680	Horseleg Creek at Rome, Ga.	Lat 34°16'03", long 85°13'29", Floyd County, Hydrologic Unit 03150103, at culvert on Castlewood Drive at Rome.	1.31	1979-84	07-31-84	7.01	453
02397830	Harrisburg Creek near Hawkins, Ga.	Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on county road, 0.7 mile west of Hawkins.	13.3	1980-82*, 1983-84	07-31-84	7.85	(†)
02411735	McClendon Creek tributary near Dallas, Ga.	Lat 33°50'59", long 84°57'20", Paulding County, Hydrologic Unit 03150108, at culvert on State Highway 120, 9.3 miles southwest of Dallas.	.88	1977-84	12-06-83	5.70	480
02411902	Mann Creek tributary near Tallapoosa, Ga.	Lat 33°51'16", long 85°17'28", Haralson County, Hydrologic Unit 03150108, at culvert on State Highway 100, 7 miles north of Tallapoosa.	.12	1977-84	04-20-84	3.10	38

* Discharge not determined.
† Operated as a continuous-record gaging station.
c Revised.

Peak discharge at miscellaneous sites

The following table contains peak discharges at sites not included in the continuous gaging or crest-stage partial-record program. These discharges are generally obtained for discontinued gaging stations, discontinued crest-stage partial-record stations, or other miscellaneous sites to give better areal coverage of flood events.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3)
		Altamaha River Basin					
02205000	Wildcat Creek near Lawrenceville, Ga.	Lat 34°00'08", long 84°00'18", Gwinnett County, Hydrologic Unit 03070103, on left bank 75 ft upstream from county highway bridge, 3.2 miles north of Lawrenceville.	1.59	1954-82*, 1983-84	12-06-83	5.80	m205
02207500	Yellow River near Covington, Ga.	Lat 33°56'52", long 83°34'54", Newton County, Hydrologic Unit 03070103, at State Highway 12, 3.5 miles northwest of Covington.	378	1936, 1945-60*, 1961-64, 1976-82*, 1983-84	04-09-83 12-07-83	16.20 14.74	m6,930 m5,460
		Satilla River Basin					
02226200	Satilla River near Douglas, Ga.	Lat 31°24'49", long 82°51'02", Coffee County, Hydrologic Unit 03070201, at U.S. Highway 441, 6.5 miles south of Douglas.	235	1948, 1951-76**, 1984	03-07-84	10.51	m5,910
02226300	Satilla River near Pearson, Ga.	Lat 31°20'11", long 82°46'07", Atkinson County, Hydrologic Unit 03070201, at State Highway 64, 6 miles northeast of Pearson.	355	1948, 1953-65**, 1984	03-07-84	18.72	m13,400
02226475	Satilla River at Waltertown, Ga.	Lat 31°18'17", long 82°23'33", Ware County, Hydrologic Unit 03070201, at county highway bridge, at Waltertown and 6 miles north of Waycross.	1,160	1984	03-10-84	24.27	m23,000e
02226582	Satilla River near Hoboken, Ga.	Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at State Highway 121, 3 miles northeast of Hoboken.	1,350	1948, 1970-77**, 1984	03-10-84	15.36	m22,900
02227010	Hurricane Creek at Alma, Ga.	Lat 31°32'20", long 82°31'41", Bacon County, Hydrologic Unit 03070201, at State Highway 32, 1 mile east of Alma.	a163	1970-74**, 1978-79, 1984	03-08-84	9.11	m3,600e
02227200	Little Hurricane Creek below Alma, Ga.	Lat 31°25'25", long 82°25'59", Bacon County, Hydrologic Unit 03070201, at U.S. Highway 1, 8.5 miles south of Alma.	102	1948-78**, 1984	03-07-84	8.94	m4.130
02227400	Big Satilla Creek near Alma, Ga.	Lat 31°39'28", long 82°25'51", Bacon-Appling County line, Hydrologic Unit 03070202, at U.S. Highway 1, 8.2 miles north of Alma.	112	1929, 1948-78**, 1984	03-07-84	7.91	m3,310
02227430	Little Satilla Creek at Odum, Ga.	Lat 31°40'04", long 82°02'27", Wayne County, Hydrologic Unit 03070202, at U.S. Highway 341, at Odum and 10 miles northwest of Jesup.	a49	1929, 1949-78**, 1984	03-07-84	7.69	m2,290
02227520	Little Satilla River near Patterson, Ga.	Lat 31°21'04", long 82°02'02", Pierce-Wayne County line, Hydrologic Unit 03070202, at State Highway 32, 6 miles southeast of Patterson.	695	1970-77**, 1984	03-09-84	17.84	m13,400e

* Operated as a continuous-record gaging station.
** Operated as a crest-stage partial-record station.
m Annual maximum.
a Approximately.
e Estimated.

Peak discharge at miscellaneous sites--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3)
		Suwannee River Basin					
02315900	Deep Creek near Ashburn, Ga.	Lat 31°43'49", long 83°35'00", Turner County, Hydrologic Unit 03110202, at State Highway 112, 4.5 miles east of Ashburn.	137	1951-76**, 1984	03-07-84	12.24	2,880
02316000	Alapaha River near Alapaha, Ga.	Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, at U.S. Highway 82, 2 miles east of Alapaha and 6 miles upstream from Willacoochee River.	663	1928, 1938-76*. 1984	03-11-84	14.69	5,370
02316200	Willacoochee River near Ocilla, Ga.	Lat 31°30'06", long 83°09'43", Irwin County, Hydrologic Unit 03110202, at State Highway 90, 8 miles southeast of Ocilla.	a90	1948, 1950-77**, 1984	03-07-84	7.64	1,970
02317700	Withlacoochee River near Nashville, Ga.	Lat 31°11'54", long 83°16'21", Berrien County, Hydrologic Unit 03110203, at State Highway 76, 1.5 miles southwest of Nashville.	132	1948, 1951-77**, 1984	03-07-84	12.36	m5,500
02317730	New River tributary near Nashville, Ga.	Lat 31°17'18", long 83°20'36", Berrien County, Hydrologic Unit 03110203, at culvert on State Highway 125, 9 miles northwest of Nashville.	.95	1960-75**, 1984	03-06-84	2.72	m180
02317748	Withlacoochee River near Bemiss, Ga.	Lat 30°57'24", long 83°16'12", Lowndes County, Hydrologic Unit 03110203, at county bridge on Skipper Bridge Road, 1.9 miles downstream of Cat Creek and 3 miles northwest of Bemiss.	501	1977-82*, 1984	03-08-84	24.28	m16,000e
02317755	Withlacoochee River, at U.S. Highway 41, near Valdosta, Ga.	Lat 30°53'33", long 83°19'08", Lowndes County, Hydrologic Unit 03110203, at U.S. Highway 41, 5.3 miles north of Valdosta.	537	1977-78*, 1984	03-08-84	22.11	m16,000e
02317795	Mill Creek near Tifton, Ga.	Lat 31°29'46", long 83°33'15", Tift County, Hydrologic Unit 03110204, at culvert on county road, 3 miles northwest of Tifton.	6.21	1965-75**, 1984	03-06-84	5.79	m525
02317830	Little River near Lenox, Ga.	Lat 31°15'14", long 83°03'32", Cook-Colquitt County line, Hydrologic Unit 03110204, at county bridge on Kinard Bridge Road, 2.5 miles west of Lenox.	a208	1968-71*, 1972-76**, 1977-78*, 1984	03-07-84 04-06-73	14.84 14.05	m5,600 m4,550
02317840	Warrior Creek near Sylvester, Ga.	Lat 31°33'10", long 83°48'53", Worth County, Hydrologic Unit 03110204, at State Highway 112, 1.8 miles northeast of Sylvester.	8.24	1965-75**, 1984	03-06-84	6.00	380
02317900	Ty Ty Creek at Ty Ty, Ga.	Lat 31°28'22", long 83°39'47", Tift-Worth County line, Hydrologic Unit 03110204, at U.S. Highway 82, 1 mile west of Ty Ty.	a47	1948, 1951-78**, 1984	03-06-84	7.06	1,660

* Operated as a continuous-record gaging station.

** Operated as a crest-stage partial-record station.

m Annual maximum.

a Approximately.

e Estimated.

Peak discharge at miscellaneous sites--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3)
		Suwannee River Basin--Continued					
02317905	Little Creek near Omega, Ga.	Lat 31°23'35", long 83°38'00", Tift County, Hydrologic Unit 03110204, at county bridge, 4.2 miles north of Omega.	4.22	1965-75**, 1984	03-06-84	4.84	m600
02317910	Ty Ty Creek tributary at Crosland, Ga.	Lat 31°19'17", long 83°37'24", Colquitt County, Hydrologic Unit 03110204, at culvert on U.S. Highway 319, at Crosland.	2.07	1960-74**, 1984	03-06-84	5.85	m484
02317980	Little River near Sparks, Ga.	Lat 31°11'34", long 83°31'22", Cook-Colquitt County line, Hydrologic Unit 03110204, at county bridge, 5.5 miles west of Sparks.	555	1928, 1948, 1961-79**, 1984	03-07-84	14.21	m17,400
02318000	Little River near Adel, Ga.	Lat 31°09'18", long 83°32'38", Cook-Colquitt County line, Hydrologic Unit 03110204, 500 ft downstream of bridge on State Highway 37, 7 miles west of Adel.	577	1928, 1941-71*, 1973, 1984	03-08-84	19.73	m18,000
02318020	Bull Creek tributary near Ellenton, Ga.	Lat 31°09'19", long 83°37'06", Colquitt County, Hydrologic Unit 03110204, at culvert on State Highway 37, 3 miles west of Ellenton.	.27	1960-75**, 1984	03-06-84	3.94	106
02318500	Withlacoochee River near Quitman, Ga.	Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, at U.S. Highway 84, 6 miles east of Quitman.	1480	1928-31*, 1938-49*, 1953-54**, 1984	03-10-84		m29,000
02318960	Withlacoochee River near Clyattville, Ga.	Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at State Highway 31, 4.3 miles south of Clyattville.	a2030	1984	03-11-84	38.0	m32,500
		Ochlockonee River Basin					
02327200	Ochlockonee River at Moultrie, Ga.	Lat 31°10'58", long 83°48'32", Colquitt County, Hydrologic Unit 03120002, at State Highway 37, at Moultrie.	a96	1948, 1951-77**, 1984	03-07-84	10.14	m4,000
02327400	Sallys Branch tributary near Sale City, Ga.	Lat 31°14'46", long 84°01'40", Mitchell County, Hydrologic Unit 03120002, at culvert on State Highway 93, 1.2 miles south of Sale City.	3.70	1966-75**, 1984	03-06-84	6.64	m1,200
02327500	Ochlockonee River near Thomasville, Ga.	Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at U.S. Highway 84, 5 miles northwest of Thomasville.	550	1937-71*, 1972, 1975, 1984	03-08-84	22.80	m24,000
02327700	Barnetts Creek near Thomasville, Ga.	Lat 30°54'18", long 84°04'34", Thomas-Grady County line, Hydrologic Unit 03120002, at county bridge, 7.5 miles northwest of Thomasville.	104	1951-77**, 1984	03-07-84	19.46	m15,200

* Operated as a continuous-record gaging station.
** Operated as a crest-stage partial-record station.
m Annual maximum.
a Approximately.

Peak discharge at miscellaneous sites--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3)
		Ochlockonee River Basin--Continued					
02327720	Barnetts Creek, at U.S. Highway 84, near Thomasville, Ga.	Lat 30°56'26", long 84°04'48", Thomas-Grady County line, Hydrologic Unit 03120002, at U.S. Highway 84, 6 miles northwest of Thomasville.	114	1984	03-07-84	161.1	m15,800
02328000	Tired Creek near Cairo, Ga.	Lat 30°51'54", long 84°15'46", Grady County, Hydrologic Unit 03120002, 140 ft upstream of county bridge, 3 miles west of Cairo.	a60	1944-71*, 1972-79**, 1984	03-06-84	12.82	m12,000
02328200	Ochlockonee River near Calvary, Ga.	Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at county bridge, 6.5 miles east of Calvary.	a930	1984	03-08-84	29.11	m32,000
		Apalachicola River Basin					
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Highway 115, 1.5 miles east of Leaf.	150	1940-71*, 1972-84	05-08-84	8.02	m5,730
02355910	Big Slough, at State Highway 262, near Bainbridge, Ga.	Lat 31°02'38", long 84°25'08", Decatur County, Hydrologic Unit 03130008, at State Highway 262, 12 miles northeast of Bainbridge.		1984	03-08-84	16.36	2,700
02355930	Big Slough, at State Highway 309, near Bainbridge, Ga.	Lat 30°56'30", long 84°30'33", Decatur County, Hydrologic Unit 03130008, at State Highway 309, 4 miles northeast of Bainbridge.		1984	03-09-84	11.94	3,100
02355950	Big Slough, at State Highway 97, near Bainbridge, Ga.	Lat 30°56'05", long 84°31'23", Decatur County, Hydrologic Unit 02120008, at State Highway 97, 3 miles northeast of Bainbridge.	318	1984	03-10-84	14.95	2,790
		Mobile River Basin					
02392500	Little River near Roswell, Ga.	Lat 34°07'09", long 84°23'18", Fulton-Cherokee County line, Hydrologic Unit 03150104, at bridge on State Highway 140, 7 miles north of Roswell.	60.0	1946, 1948-76*, 1982, 1984	12-06-83	14.94	m4,800
02394400	Pumpkinvine Creek below Dallas, Ga.	Lat 33°54'57", long 84°52'49", Paulding County, Hydrologic Unit 03150104, at bridge on State Highway 6, 2.2 miles west of Dallas.	42.8	1951-77**, 1982, 1984	12-06-83	19.30	m,5900
		Tennessee River Basin					
03545000	Hiwassee River at Presley, Ga.	Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank, 0.1 mile downstream from Cynth Creek, 0.5 mile southeast of Presley, and at mile 133.9.	45.5	1942-82*, 1983-84	02-02-83 03-20-84	10.55 5.68	m3,990 m1,320
03550500	Nottley River near Blairsville, Ga.	Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, on left bank 250 ft upstream from Arkaqua Creek, 2.7 miles southeast of Blairsville, and at mile 44.3.	74.8	1942-82*, 1983-84	02-02-83 03-20-84	11.33 6.65	m4,460 m2,120

* Operated as a continuous-record gaging station.
** Operated as a crest-stage partial-record station.
m Annual maximum.
a Approximately.
e Estimated.

CHARLTON COUNTY

304943082213701 Local number, 27E2.

LOCATION.--Lat 30°49'43", long 82°21'37", Hydrologic Unit 03110201, end of Georgia Highway 177 east of Stephen C. Foster State Park.

Owner: U. S. Geological Survey, Test well OK 8.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 647 ft, cased to 465 ft, open hole.

DATUM.--Altitude of land-surface is 116 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.2 ft above land-surface datum.

REMARKS.--Well pumped Aug. 1, 1978, sounded to obstruction at 484 ft. Well open below obstruction. Water levels for periods of missing recorder record, October 1-12, December 12 to January 1, April 19 to May 8, and September 14-18, were estimated.

PERIOD OF RECORD.--May 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.65 ft below land-surface datum, June 27, 1966; lowest, 71.17 ft below land surface datum, July 27, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.23	66.47	66.45	65.96	64.84	64.09	62.42	61.51	63.19	65.00	65.39	65.66
2	66.24	66.45	66.42	65.87	64.82	64.09	62.39	61.45	63.25	65.11	65.41	65.70
3	66.22	66.37	66.28	65.81	64.66	64.09	62.27	61.33	63.26	65.13	65.43	65.69
4	66.18	66.26	66.21	65.66	64.46	64.09	62.04	61.42	63.30	65.10	65.41	65.67
5	66.16	66.23	66.27	65.49	64.43	63.97	61.91	61.50	63.41	65.12	65.40	65.71
6	66.18	66.28	66.22	65.35	64.58	63.73	61.96	61.57	63.54	65.13	65.39	65.77
7	66.22	66.30	66.38	65.35	64.76	63.69	62.00	61.65	63.62	65.15	65.35	65.79
8	66.25	66.26	66.41	65.43	64.82	63.82	61.96	61.62	63.69	65.18	65.30	65.79
9	66.25	66.21	66.44	65.38	64.79	63.83	61.82	61.72	63.75	65.25	65.30	65.76
10	66.25	66.14	66.44	65.15	64.70	63.83	61.70	61.78	63.82	65.31	65.28	65.71
11	66.21	66.15	66.22	65.08	64.63	63.81	61.70	61.86	63.89	65.27	65.27	65.70
12	66.17	66.24	66.07	65.27	64.53	63.76	61.67	61.94	63.96	65.27	65.32	65.78
13	66.20	66.27	66.10	65.31	64.40	63.68	61.60	61.99	64.04	65.34	65.35	65.79
14	66.23	66.27	66.03	65.27	64.35	63.68	61.53	62.02	64.06	65.44	65.36	65.82
15	66.30	66.23	66.21	65.18	64.39	63.68	61.39	62.08	64.13	65.48	65.36	65.84
16	66.31	66.29	66.35	65.07	64.37	63.56	61.33	62.20	64.23	65.43	65.36	65.87
17	66.30	66.41	66.38	65.03	64.34	63.41	61.33	62.33	64.28	65.61	65.35	65.90
18	66.27	66.46	66.31	64.96	64.32	63.30	61.37	62.44	64.28	65.41	65.33	65.92
19	66.25	66.40	66.21	64.96	64.27	63.20	61.44	62.45	64.30	65.45	65.29	65.95
20	66.25	66.22	66.24	65.10	64.20	63.01	61.44	62.45	64.35	65.47	65.37	65.84
21	66.28	66.34	66.22	65.16	64.15	62.90	61.42	62.52	64.41	65.46	65.36	65.89
22	66.28	66.40	66.11	65.07	64.12	62.96	61.35	62.62	64.44	65.46	65.48	65.96
23	66.16	66.33	66.07	65.07	64.04	63.00	61.23	62.69	64.49	65.50	65.49	66.00
24	66.12	66.24	66.09	64.90	64.01	62.93	61.25	62.73	64.51	65.56	65.49	66.00
25	66.15	66.30	66.15	64.81	63.98	62.78	61.37	62.78	64.56	65.55	65.58	65.98
26	66.18	66.46	66.14	64.81	63.98	62.70	61.41	62.38	64.62	65.52	65.68	65.98
27	66.27	66.35	65.99	64.68	64.15	62.46	61.42	62.96	64.70	65.52	65.67	65.99
28	66.41	66.23	65.77	64.65	64.18	62.06	61.46	63.01	64.86	65.51	65.65	65.91
29	66.44	66.33	65.74	64.68	64.07	62.11	61.49	63.01	64.90	65.50	65.60	65.87
30	66.43	66.43	65.96	64.60	---	62.36	61.49	63.03	64.91	65.45	65.63	65.91
31	66.47	---	66.04	64.76	---	62.45	---	63.10	---	65.40	65.63	---
MEAN	66.25	66.31	66.19	65.16	64.39	63.32	61.64	62.21	64.09	65.36	65.43	65.84
MAX	66.47	66.47	66.45	65.96	64.84	64.09	62.42	63.10	64.91	65.61	65.68	66.00
MIN	66.12	66.14	65.74	64.60	63.98	62.06	61.23	61.33	63.19	65.00	65.27	65.66

CAL YR 1983 MEAN 65.15 LOW 67.03 HIGH 62.44
WTR YR 1984 MEAN 64.69 LOW 66.47 HIGH 61.23

CHATHAM COUNTY

315950081161201 **Local number, 35P94.**

LOCATION.--Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204, Barbour Lathrop Plant Introduction Station, 10 miles south of Savannah, north of the intersection of U.S. Highway 17 and Argyle Rd.

Owner: University of Georgia, formerly U.S. Department of Agriculture.

AQUIFER.--Sands of Holocene and Pleistocene ages.

WELL CHARACTERISTICS.--Bored observation well, diameter 30 in., depth 15 ft, cased to 15 ft, open end.

DATUM.--Altitude of land-surface is 18.67 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Iron bracket on recorder shelter, 3.3 ft above land-surface datum.

REMARKS.--Responds quickly to precipitation. Water levels for periods of missing recorder record, October 1 to December 18, January 21-31, and September 23-27, were estimated.

PERIOD OF RECORD.--August 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.05 ft below land-surface datum, Sept. 26, 1953; lowest, 12.28 ft below land-surface datum, November 30, 1972.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.64	11.18	9.79	5.73	2.30	2.88	3.09	4.06	4.39	6.64	6.20	7.95
2	9.72	11.26	9.87	5.79	2.44	3.00	3.19	4.14	4.52	6.61	6.04	8.02
3	9.80	11.34	9.95	5.88	2.52	3.11	3.19	3.91	4.66	6.61	5.94	8.09
4	9.88	11.42	10.03	5.95	2.50	3.20	3.07	3.43	4.82	6.66	5.90	7.96
5	9.82	11.46	10.05	6.02	2.60	3.18	3.17	3.37	4.98	6.76	5.96	7.63
6	9.90	11.51	10.02	6.10	2.76	1.80	3.29	3.51	5.11	6.89	6.06	7.41
7	9.98	11.59	9.96	6.23	2.88	.84	3.39	3.64	5.24	7.04	6.26	7.36
8	10.06	11.55	9.90	6.38	2.96	1.34	3.47	3.62	5.36	7.18	6.36	7.36
9	10.14	11.39	9.98	6.48	3.02	1.72	3.16	3.34	5.46	7.32	6.53	7.36
10	10.22	11.09	10.06	6.49	3.08	2.00	2.83	3.38	5.57	7.43	6.68	7.42
11	10.30	10.93	10.14	6.56	3.16	2.20	2.93	3.54	5.66	7.53	6.84	7.52
12	10.37	10.77	10.09	6.72	3.22	2.28	3.07	3.70	5.76	7.64	7.00	7.64
13	10.35	10.73	10.04	6.78	3.14	1.97	3.18	3.84	5.84	7.78	7.18	7.75
14	10.22	10.69	9.99	6.80	3.00	2.13	3.29	3.98	5.86	7.90	7.35	7.84
15	10.30	10.65	9.93	6.80	3.06	2.37	3.37	4.12	5.91	7.94	7.50	7.91
16	10.38	10.51	9.78	6.79	3.18	2.51	3.42	4.24	5.86	7.98	7.64	8.00
17	10.46	10.37	9.76	6.82	3.27	2.63	3.52	4.36	5.80	8.03	7.70	8.08
18	10.54	10.45	9.74	6.78	3.34	2.74	3.61	4.46	6.01	8.09	7.61	8.16
19	10.62	10.53	9.61	6.58	3.42	2.83	3.69	4.55	6.24	8.04	7.53	8.22
20	10.70	10.61	9.26	6.28	3.48	2.62	3.77	4.65	6.40	7.66	7.44	8.28
21	10.78	10.57	8.90	5.95	3.54	2.40	3.85	4.76	6.51	7.11	7.33	8.36
22	10.86	10.53	8.62	5.62	3.59	2.59	3.91	4.86	6.61	6.76	7.24	8.42
23	10.82	10.49	8.40	5.28	3.48	2.76	3.61	4.94	6.70	6.61	7.20	8.46
24	10.78	10.45	8.27	4.95	3.44	2.90	3.29	5.02	6.78	6.52	7.26	8.51
25	10.74	10.30	8.20	4.62	3.54	2.99	3.41	5.10	6.88	6.46	7.36	8.55
26	10.70	10.07	7.76	4.29	3.64	3.10	3.56	5.20	6.99	6.48	7.47	8.59
27	10.78	10.04	7.14	3.96	3.12	3.13	3.68	5.27	7.12	6.56	7.56	8.64
28	10.86	10.08	7.00	3.63	2.58	2.77	3.80	5.04	7.16	6.66	7.65	8.68
29	10.94	9.85	6.60	3.29	2.74	2.61	3.90	4.61	6.98	6.68	7.74	8.44
30	11.02	9.82	5.95	2.96	---	2.82	3.98	4.32	6.76	6.56	7.82	8.14
31	11.10	---	5.74	2.63	---	2.97	---	4.30	---	6.38	7.88	---
MEAN	10.41	10.74	9.05	5.65	3.07	2.53	3.42	4.23	5.93	7.11	7.04	8.03
MAX	11.10	11.59	10.14	6.82	3.64	3.20	3.98	5.27	7.16	8.09	7.88	8.68
MIN	9.64	9.82	5.74	2.63	2.30	.84	2.83	3.34	4.39	6.38	5.90	7.36

CAL YR 1983 MEAN 6.58 LOW 11.59 HIGH .74
WTR YR 1984 MEAN 6.45 LOW 11.59 HIGH .84

CHATHAM COUNTY

320021081124801 Local number, 36Q020.

LOCATION.--Lat 32°00'18", long 81°12'48", Hydrologic Unit 03060204, 2.7 mi south of intersection of U.S. Highway 17 with Dean Forest Road.
Owner: H. J. Morrison.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 3 in., depth 365 ft, cased to 330 ft, open hole.

DATUM.--Altitude of land-surface is 13 ft, National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 3.88 ft above land-surface datum.

REMARKS.--Water levels for period of missing recorder record, February 23-28, were estimated.

PERIOD OF RECORD.--March 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.66 ft below land-surface datum, June 28, 1958; lowest, 49.15 ft below land-surface datum, September 6, 7, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46.01	46.37	44.84	45.56	45.01	44.78	44.09	43.76	45.53	47.26	47.66	48.56
2	46.04	46.35	44.77	45.62	45.02	44.80	44.08	43.76	45.53	47.28	47.72	48.64
3	46.04	46.26	44.58	45.12	44.82	44.84	43.95	43.62	45.61	47.28	47.74	48.66
4	46.00	46.14	44.50	45.60	44.60	44.86	43.78	43.58	45.76	47.24	47.74	48.66
5	45.99	46.08	44.59	45.45	44.60	44.74	43.73	43.74	45.90	47.24	47.76	48.67
6	46.04	46.17	44.44	45.40	44.75	44.56	43.86	43.82	46.16	47.24	47.74	48.63
7	46.15	46.15	44.67	45.44	45.04	44.62	43.92	43.92	46.38	47.26	47.70	48.62
8	46.17	45.94	44.67	45.53	45.27	44.68	44.00	43.94	46.53	47.38	47.72	48.52
9	46.26	45.78	44.72	45.53	45.38	44.62	43.92	43.94	46.66	47.42	47.82	48.34
10	46.28	45.62	44.70	45.44	45.41	44.62	43.82	43.96	46.80	47.48	47.90	48.24
11	46.24	45.64	44.50	45.16	45.38	44.54	43.80	44.04	46.88	47.50	48.00	48.21
12	46.24	45.70	44.26	45.38	45.32	44.55	43.80	44.10	46.98	47.63	48.16	48.24
13	46.30	45.64	44.23	45.34	45.10	44.39	43.72	44.18	46.95	47.84	48.28	48.25
14	46.40	45.64	44.22	45.26	44.97	44.41	43.64	44.28	46.96	48.00	48.42	48.24
15	46.38	45.56	44.36	45.42	45.05	44.41	43.54	44.42	46.96	48.06	48.52	48.22
16	46.38	45.56	44.52	45.02	45.06	44.21	43.55	44.51	47.07	48.07	48.62	48.32
17	46.40	45.60	44.51	44.96	44.98	44.10	43.58	44.67	47.17	48.12	48.58	48.28
18	46.39	45.59	44.45	44.82	44.96	44.09	43.70	44.78	47.22	48.16	48.52	48.14
19	46.39	45.49	44.25	44.76	44.92	44.06	43.77	44.86	47.37	48.20	48.52	48.01
20	46.39	45.21	44.26	44.84	44.81	43.93	43.85	45.04	47.53	48.15	48.55	47.90
21	46.42	45.22	44.27	44.98	44.84	43.86	43.88	45.23	47.54	48.00	48.66	47.90
22	46.38	45.23	44.14	45.20	44.86	44.03	43.83	45.41	47.50	47.97	48.60	48.06
23	46.18	45.13	44.10	45.19	44.83	44.10	43.68	45.46	47.46	48.06	48.46	48.03
24	46.12	44.99	44.18	45.04	44.80	44.05	43.66	45.47	47.42	48.04	48.46	48.00
25	46.16	45.07	44.37	45.04	44.77	43.94	43.64	45.42	47.38	47.99	48.49	48.04
26	46.20	45.11	44.57	45.11	44.74	44.02	43.61	45.65	47.33	47.88	48.50	48.01
27	46.32	44.91	44.78	44.88	44.71	43.95	43.60	45.73	47.35	47.90	48.42	48.03
28	46.38	44.74	44.79	44.90	44.68	43.66	43.62	45.70	47.33	47.94	48.39	47.86
29	46.35	44.84	44.92	44.96	44.65	43.89	43.70	45.56	47.26	47.90	48.38	47.78
30	46.41	44.88	45.32	44.97	---	44.06	43.70	45.50	47.20	47.72	48.42	47.77
31	46.40	---	45.44	45.04	---	44.08	---	45.52	---	47.66	48.44	---
MEAN	46.25	45.55	44.55	45.19	44.94	44.30	43.77	44.63	46.85	47.74	48.22	48.23
MAX	46.42	46.37	45.44	45.62	45.41	44.86	44.09	45.73	47.54	48.20	48.66	48.67
MIN	45.99	44.74	44.10	44.76	44.60	43.66	43.54	43.58	45.53	47.24	47.66	47.77

CAL YR 1983 MEAN 43.32 LOW 46.42 HIGH 39.45
WTR YR 1984 MEAN 45.86 LOW 48.67 HIGH 43.54

CHATHAM COUNTY

320122080510204 Local number, 39Q3.

LOCATION.--Lat 32°01'22", long 80°51'02", Hydrologic Unit 03060204, Tybee Island near Fort Screven.
 Owner: U.S. Geological Survey, test well 7.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in., depth 600 ft, cased to 129 ft, open hole.

DATUM.--Altitude of land-surface is 7.0 ft, National Geodetic Vertical Datum of 1929.
 Measuring point: Top of 10 in. casing, 2.0 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted January 24, 1962. Water levels for periods of missing recorder record, June 5-7, 13, 15-20, 27-29, July 1-17, and August 1-2, were estimated.

PERIOD OF RECORD.--May 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.8 ft below land-surface datum, April 11, 1963; lowest, 29.65 ft below land-surface datum, July 27, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.84	27.14	26.69	26.90	26.00	26.42	25.38	25.72	26.06	28.05	28.33	29.08
2	27.20	27.11	26.67	26.74	25.96	25.98	25.38	25.56	26.70	28.01	28.65	29.18
3	27.24	27.08	26.44	26.70	25.64	25.67	25.24	25.50	26.84	28.12	28.98	29.25
4	27.14	27.02	26.49	26.50	25.56	25.80	25.20	25.70	26.54	28.06	29.16	28.87
5	27.10	26.75	26.54	26.18	25.83	25.46	25.46	25.62	26.64	28.12	29.02	28.81
6	27.20	26.89	26.30	26.14	26.20	25.48	25.60	25.91	26.74	28.19	28.93	28.35
7	27.10	26.88	26.93	26.22	26.14	25.56	25.51	25.86	26.84	28.25	28.81	28.32
8	26.80	26.42	26.65	26.22	26.11	25.62	25.38	25.80	26.94	28.33	28.91	28.32
9	26.99	26.48	26.67	26.34	26.08	25.81	25.08	25.80	27.06	28.41	29.12	28.09
10	26.85	26.62	26.72	25.92	25.98	25.58	24.92	25.79	27.51	28.50	28.99	28.12
11	26.78	27.02	26.35	25.98	25.92	25.58	25.02	25.90	27.32	29.03	28.92	28.31
12	26.92	26.94	26.22	25.98	25.76	25.44	25.09	25.90	27.70	28.67	29.00	28.70
13	27.03	26.87	26.39	25.98	25.46	25.47	25.08	25.95	27.44	28.75	29.09	28.90
14	27.20	26.88	26.43	25.93	25.40	25.68	25.18	25.93	27.18	28.83	29.14	28.69
15	27.17	27.12	26.64	25.76	25.54	25.70	25.20	25.76	27.22	28.91	29.19	28.66
16	27.07	27.50	26.77	25.62	25.56	25.56	25.32	25.65	27.26	29.01	29.00	28.47
17	27.17	27.51	26.63	25.66	25.56	25.56	25.56	25.64	27.31	29.09	28.94	28.04
18	27.14	27.10	26.33	25.66	25.56	25.32	25.57	25.86	27.35	29.17	28.84	28.02
19	27.06	26.89	26.00	25.87	25.66	25.32	25.52	26.08	27.39	29.20	28.92	28.00
20	26.91	26.48	26.03	25.92	25.48	25.00	25.56	26.31	27.44	29.05	28.90	28.06
21	26.94	26.88	25.78	25.78	25.41	25.24	25.55	26.12	27.48	28.80	28.68	28.10
22	26.69	26.77	26.07	26.14	25.14	25.49	25.54	26.04	27.41	28.65	28.64	28.70
23	26.66	26.57	26.15	26.06	25.32	25.66	25.40	26.08	27.62	28.76	28.76	28.76
24	26.86	26.43	26.64	26.00	25.93	25.36	25.80	26.11	27.64	28.75	28.80	28.50
25	27.00	27.07	26.59	26.05	25.78	25.20	25.60	26.08	28.87	29.00	28.55	28.50
26	26.76	26.63	26.83	26.04	25.58	25.38	25.79	26.70	27.73	28.71	28.73	28.63
27	27.08	26.35	26.90	25.76	25.16	25.22	25.63	26.42	27.80	28.80	28.42	28.35
28	27.13	26.49	26.90	25.80	25.88	24.86	25.88	26.36	27.87	28.90	28.49	27.87
29	27.51	26.86	26.96	25.86	26.70	25.96	25.62	26.38	27.93	28.78	28.70	27.99
30	27.16	26.86	27.06	25.88	---	25.62	25.62	26.16	28.00	28.32	28.92	27.92
31	27.15	---	27.00	26.29	---	25.42	---	26.03	---	28.52	29.04	---
MEAN	27.03	26.85	26.54	26.06	25.73	25.53	25.42	25.96	27.33	28.64	28.86	28.45
MAX	27.51	27.51	27.06	26.90	26.70	26.42	25.88	26.70	28.87	29.20	29.19	29.25
MIN	26.66	26.35	25.78	25.62	25.14	24.86	24.92	25.50	26.06	28.01	28.33	27.87

CAL YR 1983 MEAN 25.73 LOW 27.99 HIGH 22.90
WTR YR 1984 MEAN 26.87 LOW 29.25 HIGH 24.86

CHATHAM COUNTY

320202080541201 Local number, 38Q2.
LOCATION.--Lat 32°02'02", long 80°54'12", Hydrologic Unit 03060204, Cockspur Island, near pilot house.
Owner: U.S. Department of the Interior, National Park Service.
AQUIFER.--Floridan aquifer system.
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 348 ft, cased to 110 ft, open hole.
DATUM.--Altitude of land-surface is 8.0 ft, National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 3.62 ft above land-surface datum.
REMARKS.--Borehole geophysical survey conducted June 16, 1961. Water levels for periods of missing recorder record, November 25 and July 18-17, were estimated.
PERIOD OF RECORD.--February 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.0 ft below land-surface datum, March 5, 1956; lowest, 35.60 ft below land-surface datum, September 2-6, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.56	32.79	32.37	32.00	31.72	31.71	31.01	31.18	31.78	33.66	34.36	34.56
2	32.75	32.82	32.22	31.94	31.70	31.56	31.03	31.07	31.95	33.63	34.40	34.62
3	32.83	32.74	32.09	31.92	31.52	31.44	30.92	31.06	31.93	33.74	34.50	34.64
4	32.76	32.68	32.08	31.86	31.37	31.36	30.84	31.11	31.95	33.69	34.52	34.72
5	32.73	32.45	32.15	31.82	31.52	31.18	31.11	31.12	32.13	33.76	34.40	34.66
6	32.81	32.57	31.93	31.78	31.88	31.20	31.07	31.26	32.24	33.84	34.34	34.39
7	32.74	32.58	32.43	31.84	31.81	31.28	31.06	31.28	32.49	33.90	34.32	34.34
8	32.57	32.22	32.28	31.93	31.84	31.36	30.93	31.30	32.75	33.99	34.32	34.27
9	32.76	32.24	32.29	32.02	31.83	31.42	30.72	31.29	32.78	34.08	34.39	34.08
10	32.69	32.33	32.32	31.61	31.76	31.26	30.63	31.28	32.79	34.18	34.39	34.15
11	32.55	32.58	32.00	31.64	31.68	31.24	30.69	31.27	32.91	34.27	34.38	34.20
12	32.78	32.54	31.78	31.71	31.52	31.13	30.70	31.22	32.97	34.36	34.51	34.38
13	32.90	32.50	31.92	31.70	31.34	31.14	30.70	31.28	32.99	34.45	34.66	34.52
14	33.00	32.50	31.90	31.66	31.32	31.24	30.66	31.28	33.05	34.54	34.78	34.48
15	32.99	32.57	32.10	31.51	31.30	31.22	30.60	31.20	33.15	34.63	34.85	34.48
16	32.88	32.77	32.26	31.42	31.30	31.10	30.76	31.28	33.25	34.73	34.82	34.30
17	32.95	32.73	32.15	31.33	31.28	30.96	30.98	31.34	33.34	34.82	34.78	34.14
18	32.96	32.52	31.90	31.31	31.28	30.63	31.04	31.49	33.37	34.91	34.70	34.04
19	32.84	32.52	31.63	31.46	31.28	30.83	31.16	31.68	33.51	34.96	34.67	34.03
20	32.74	32.52	31.61	31.49	31.22	30.59	31.15	31.75	33.53	34.90	34.68	34.03
21	32.77	32.48	31.52	31.38	31.18	31.02	31.13	31.74	33.40	34.64	34.64	34.09
22	32.57	32.46	31.59	31.70	31.06	31.17	31.04	31.78	33.31	34.49	34.60	34.22
23	32.46	32.28	31.62	31.64	31.14	31.15	30.96	31.94	33.30	34.56	34.55	34.25
24	32.62	32.16	31.99	31.63	31.52	31.00	31.24	31.88	33.39	34.54	34.58	34.32
25	32.69	32.21	31.92	31.64	31.52	30.81	31.14	31.88	33.40	34.48	34.36	34.33
26	32.57	32.26	31.90	31.65	31.38	30.86	31.22	32.08	33.38	34.40	34.40	34.38
27	32.66	32.09	31.88	31.45	31.10	30.91	31.16	32.08	33.48	34.45	34.22	34.26
28	32.84	32.12	31.82	31.58	31.46	30.60	31.17	32.10	33.53	34.40	34.29	33.94
29	33.05	32.45	31.86	31.63	31.84	31.34	31.14	32.07	33.53	34.32	34.44	34.02
30	32.81	32.46	32.01	31.70	---	31.16	31.12	31.90	33.60	34.10	34.54	33.97
31	32.86	---	32.01	31.88	---	31.06	---	31.83	---	34.32	34.62	---
MEAN	32.76	32.47	31.98	31.67	31.47	31.13	30.97	31.52	32.97	34.31	34.52	34.29
MAX	33.05	32.82	32.43	32.02	31.88	31.71	31.24	32.10	33.60	34.96	34.85	34.72
MIN	32.46	32.09	31.52	31.31	31.06	30.59	30.60	31.06	31.78	33.63	34.22	33.94

CAL YR 1983 MEAN 31.12 LOW 33.17 HIGH 28.05
WTR YR 1984 MEAN 32.31 LOW 34.96 HIGH 30.59

CHATHAM COUNTY

320530081085001 Local number, 3608.

LOCATION.--Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204, 0.19 mi southeast of intersection of Alfred Street and U.S. Highway 80.

Owner: Layne-Atlantic Co.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused industrial well, diameter 4 in., depth 406 ft, cased to 250 ft, open hole.

DATUM.--Altitude of land-surface is 9.91 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Top of 3 in. casing, 1.0 ft above land-surface datum.

REMARKS.--Water levels for periods of missing recorder record, November 25-28, December 24-31, July 1, 12-17, were estimated.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.17 ft below land-surface datum, July 1, 1954; lowest, 124.40 ft below land-surface datum, August 30, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110.80	110.32	108.28	108.42	111.34	111.53	107.89	105.64	110.15	115.00	113.26	113.23
2	111.30	110.34	109.71	109.54	111.51	110.94	107.64	105.92	109.30	114.58	113.38	112.41
3	109.95	111.08	108.36	109.86	111.88	109.93	108.34	105.40	109.06	114.16	112.64	111.54
4	111.25	111.36	107.00	110.39	111.76	108.96	107.87	105.61	108.91	113.72	111.46	111.56
5	111.80	110.21	106.96	110.58	111.34	108.46	107.68	105.72	109.84	115.19	110.92	111.94
6	112.21	108.54	108.58	110.94	111.88	109.26	107.94	105.66	110.98	114.78	110.90	112.48
7	112.85	109.16	109.30	111.56	113.12	109.03	106.73	105.48	111.29	114.20	112.14	112.74
8	111.25	110.84	109.62	111.43	113.54	108.50	105.21	105.88	111.56	113.78	113.42	112.32
9	109.05	111.17	109.83	111.44	113.39	108.18	105.10	106.56	112.13	113.74	114.22	111.35
10	111.85	110.88	109.61	111.03	113.10	106.62	106.92	108.16	112.78	114.92	115.06	110.68
11	110.98	111.16	108.58	110.81	113.55	104.80	107.30	109.70	113.13	115.64	114.76	111.64
12	111.43	110.69	108.16	111.16	112.88	105.55	107.28	110.20	113.48	115.88	114.28	113.20
13	111.79	109.50	108.78	110.90	112.08	107.07	106.59	110.39	113.96	116.11	113.84	113.33
14	111.86	109.80	108.98	109.98	111.89	107.69	105.47	110.39	113.92	116.35	114.37	112.79
15	111.34	110.18	109.30	108.69	112.15	107.40	104.80	110.48	114.32	116.59	115.02	112.80
16	110.40	110.06	110.10	107.86	112.14	106.10	105.18	110.44	113.31	116.82	115.32	112.06
17	110.84	110.20	109.59	108.68	112.00	105.38	106.60	109.47	114.42	117.06	115.24	112.12
18	111.71	110.42	109.02	109.15	111.82	105.68	106.30	110.02	113.91	117.30	114.88	112.80
19	112.03	109.79	108.35	109.85	111.22	106.97	105.60	109.88	112.48	116.35	114.33	113.24
20	111.47	109.23	109.00	110.73	110.76	108.58	103.98	109.44	110.90	115.86	113.70	113.69
21	111.35	109.16	108.64	111.80	110.80	108.87	102.74	109.80	111.37	115.58	113.24	114.22
22	110.25	109.99	109.18	112.42	110.92	109.68	102.24	110.31	111.85	114.63	113.75	113.92
23	108.66	109.80	107.45	112.10	110.70	110.16	101.14	110.54	112.32	114.44	114.04	113.38
24	108.82	108.04	106.17	112.10	111.36	109.70	100.68	110.40	112.80	114.95	113.76	113.17
25	110.54	108.00	103.59	111.79	111.36	108.74	101.20	110.80	113.27	115.24	114.04	113.56
26	110.73	107.92	100.31	111.80	110.96	108.92	102.66	110.81	114.06	114.76	113.44	114.14
27	111.34	107.60	99.53	110.48	110.40	109.43	103.56	110.46	113.68	114.42	113.30	114.20
28	111.56	107.31	98.54	110.04	110.84	109.56	104.03	110.58	113.34	114.30	113.53	114.38
29	109.72	107.29	99.56	110.07	111.96	109.53	104.18	110.48	113.60	113.80	113.88	114.26
30	107.82	107.88	100.58	111.42	---	110.54	104.82	110.36	114.94	113.20	113.68	113.44
31	108.40	---	101.60	111.24	---	109.82	---	110.50	---	113.33	113.49	---
MEAN	110.82	109.60	106.85	110.59	111.82	108.44	105.26	108.89	112.37	115.05	113.66	112.89
MAX	112.85	111.36	110.10	112.42	113.55	111.53	108.34	110.81	114.94	117.30	115.32	114.38
MIN	107.82	107.29	98.54	107.86	110.40	104.80	100.68	105.40	108.91	113.20	110.90	110.68

CAL YR 1983 MEAN 103.72 LOW 112.86 HIGH 87.89
WTR YR 1984 MEAN 110.52 LOW 117.30 HIGH 98.54

CLAY COUNTY

313637085032601 Local number, 5L1.

LOCATION.--Lat 31°36'37", long 85°03'26", Hydrologic Unit 03130004, between Chattahoochee River and Ft. Gaines waterplant.
Owner: U.S. Army Corps of Engineers.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in., depth 120 ft, cased to 44 ft, open hole.

DATUM.--Altitude of land-surface is 146.7 ft, National Geodetic Vertical Datum of 1929.
Measuring point: Top of floor of recorder shelter, 2.7 ft above land-surface datum.

REMARKS.--Water levels for periods of missing recorder record, October 1-5. and November 2-20, were estimated.

PERIOD OF RECORD.--May 23, 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.86 ft below land-surface datum, February 17, 1966; lowest, 35.95 ft below land-surface datum, February 14, 1961.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.55	30.29	29.52	28.17	28.26	27.18	28.01	27.74	28.52	30.57	29.15	30.32
2	30.25	30.16	29.44	28.10	28.28	27.07	27.21	27.65	29.27	30.36	27.77	30.80
3	29.95	30.13	29.53	28.01	28.25	28.34	26.94	27.05	29.52	30.34	27.25	30.43
4	29.65	30.08	29.62	27.99	28.37	28.52	26.91	26.07	28.98	30.36	28.05	30.49
5	30.22	30.02	28.66	27.97	28.69	27.78	27.21	26.79	28.88	30.36	28.08	30.12
6	29.63	29.97	28.13	27.96	28.45	26.88	27.28	26.82	29.03	30.38	28.69	30.03
7	30.07	29.44	27.71	28.98	28.42	26.90	27.92	26.21	29.13	30.66	28.79	30.06
8	30.37	29.48	27.68	29.30	28.42	26.88	28.00	26.65	29.15	30.79	28.83	30.41
9	30.51	29.40	27.73	28.52	28.36	26.86	27.70	26.09	29.67	30.56	28.94	30.47
10	30.10	29.39	27.99	28.29	28.35	27.50	28.09	26.01	29.86	29.97	29.11	30.46
11	29.94	29.47	27.85	28.36	28.58	27.98	27.97	26.57	29.67	29.69	29.98	30.49
12	29.72	29.55	26.70	28.40	28.57	27.41	28.05	27.19	29.48	29.70	30.12	30.29
13	29.80	29.63	26.49	28.46	27.97	27.27	28.03	27.28	29.30	29.73	29.86	30.29
14	29.87	29.62	26.97	28.54	28.28	27.27	28.01	26.93	29.29	30.08	29.88	29.32
15	30.30	29.94	28.05	29.00	28.22	27.23	27.92	26.93	29.35	30.19	29.91	28.55
16	30.46	29.87	27.57	28.25	27.89	27.17	27.90	27.00	29.92	29.91	29.77	28.73
17	30.10	29.81	28.31	28.04	27.86	28.34	27.96	27.35	30.09	29.83	29.82	28.11
18	29.99	30.08	28.34	27.95	27.84	28.58	28.00	27.43	29.68	29.77	30.23	28.05
19	29.97	30.34	28.26	27.94	28.13	27.67	28.01	27.95	29.76	29.48	29.76	28.03
20	29.93	29.62	28.27	27.98	28.15	27.32	28.04	28.14	29.77	29.49	29.88	28.01
21	29.93	30.61	28.29	28.53	28.07	26.71	28.17	27.87	29.86	29.72	29.74	28.02
22	30.55	30.65	28.23	28.93	27.73	27.34	28.42	27.82	29.88	30.11	30.12	28.62
23	30.47	30.61	28.23	28.34	27.67	27.39	28.08	27.93	30.23	29.76	29.60	28.83
24	30.14	30.58	28.71	27.43	27.66	27.50	27.78	27.51	30.38	29.51	29.56	28.66
25	30.02	30.58	28.64	27.25	28.82	27.80	27.76	28.05	30.12	29.45	30.53	28.55
26	30.03	30.85	28.62	27.24	29.07	27.27	27.74	29.11	30.04	29.65	30.74	28.63
27	30.03	30.63	28.55	27.11	27.92	26.59	27.69	29.12	30.09	29.54	30.41	28.64
28	30.08	30.32	28.15	27.04	27.84	26.42	27.83	28.55	30.13	30.13	30.47	28.65
29	30.32	30.03	27.42	27.55	27.26	26.48	28.27	28.39	30.10	30.28	30.19	28.93
30	30.57	29.61	27.47	28.06	---	26.52	27.81	28.45	30.42	29.60	30.10	29.08
31	30.38	---	27.42	28.32	---	27.28	---	28.51	---	29.33	30.30	---
MEAN	30.12	30.03	28.15	28.13	28.19	27.34	27.82	27.46	29.65	29.98	29.53	29.34
MAX	30.57	30.85	29.62	29.30	29.07	28.58	28.42	29.12	30.42	30.79	30.74	30.80
MIN	29.63	29.39	26.49	27.04	27.26	26.42	26.91	26.01	28.52	29.33	27.25	28.01

CAL YR 1983 MEAN 29.00 LOW 30.91 HIGH 23.41
WTR YR 1984 MEAN 28.81 LOW 30.85 HIGH 26.01

COOK COUNTY

310813083260301 Local number, 18H16.
LOCATION.--Lat 31°08'13", long 83°26'03", Hydrologic Unit 03110203, on West Second Street near intersection of Georgia Highways 76 and 37.
Owner: U.S. Geological Survey, Adel test well.
AQUIFER.--Floridan aquifer system.
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 865 ft, cased to 207 ft, open hole.
DATUM.--Altitude of land-surface is 241 ft, National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 2.66 ft above land-surface datum.
REMARKS.--Well pumped July 19, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted October 24, 1974. Water levels for periods of missing recorder record, October 22 to December 6 and June 4 to July 3, were estimated.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 163.34 ft below land-surface datum, July 5, 1966; lowest, 173.87 ft below land-surface datum, June 30, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171.40	171.60	171.28	171.71	170.80	170.46	169.76	169.60	171.51	172.44	172.13	172.03
2	171.32	171.66	171.19	171.45	170.81	170.41	169.67	169.63	171.53	172.41	172.14	172.06
3	171.26	171.59	170.95	171.28	170.57	170.38	169.82	170.81	171.51	172.35	172.13	171.90
4	171.37	171.43	170.88	171.24	170.32	170.24	169.47	170.88	171.73	172.22	172.09	171.99
5	171.38	171.32	171.02	170.98	170.20	170.02	169.44	171.13	172.06	172.25	171.95	172.03
6	171.38	171.25	171.15	170.90	170.57	169.81	169.60	171.19	172.20	172.26	171.99	172.09
7	171.48	171.27	171.29	170.93	170.95	170.07	169.65	171.25	172.41	172.21	171.99	172.20
8	171.57	171.32	171.29	170.97	171.08	170.28	169.49	171.34	172.43	172.11	172.00	172.24
9	171.54	171.36	171.31	170.99	171.00	170.31	169.29	171.29	172.39	172.29	172.03	171.95
10	171.38	171.19	171.29	170.68	170.86	170.36	169.30	171.22	172.34	172.42	172.06	171.98
11	171.44	171.24	170.93	170.80	170.73	170.17	169.41	171.29	172.39	172.43	172.05	172.18
12	171.38	171.25	170.73	171.13	170.46	170.18	169.49	171.38	172.75	172.30	171.85	172.30
13	171.35	171.18	170.85	171.20	170.31	170.14	169.51	171.47	172.95	172.33	171.93	172.43
14	171.37	171.20	170.86	171.19	170.37	170.28	169.46	171.34	172.94	172.40	171.96	172.47
15	171.42	171.21	170.94	170.94	170.47	170.37	169.38	171.56	172.97	172.23	172.02	172.43
16	171.28	171.32	171.20	170.85	170.47	170.33	169.28	171.68	173.25	172.26	172.05	172.42
17	171.20	171.42	171.23	170.96	170.46	170.19	169.32	171.89	173.41	172.25	172.01	172.57
18	171.36	171.47	171.08	170.83	170.39	170.10	169.39	172.06	173.52	172.23	171.89	172.56
19	171.36	171.33	170.98	170.94	170.23	169.93	169.47	172.09	173.36	172.35	171.69	172.51
20	171.38	171.10	171.12	171.19	170.16	170.01	169.59	172.10	173.29	172.29	171.82	172.47
21	171.38	171.32	171.18	171.25	170.20	169.77	169.54	171.98	173.49	172.13	171.97	172.51
22	171.22	171.40	171.03	171.21	170.17	169.81	169.41	172.11	173.35	171.99	172.00	172.71
23	170.90	171.30	170.82	171.13	170.13	169.95	169.26	172.03	173.26	172.15	171.91	172.75
24	171.00	171.07	170.82	170.84	170.18	169.99	169.11	171.75	173.21	172.23	171.88	172.82
25	171.09	171.22	171.34	170.74	170.23	169.95	169.27	171.75	173.10	172.28	171.95	172.81
26	171.15	171.19	171.42	170.71	170.06	169.59	169.38	171.78	173.24	172.28	171.98	172.84
27	171.33	170.46	171.39	170.48	169.74	169.69	169.41	171.60	173.34	172.23	171.94	172.85
28	171.52	170.96	171.07	170.47	169.96	169.53	169.45	171.46	173.20	172.23	171.97	172.56
29	171.43	171.15	171.02	170.34	170.33	169.15	169.58	171.41	172.87	172.03	171.98	172.46
30	171.34	171.25	171.53	170.43	---	169.34	169.61	171.43	172.63	172.05	172.01	172.39
31	171.47	---	171.77	170.71	---	169.73	---	171.43	---	172.05	172.02	---
MEAN	171.36	171.27	171.13	170.95	170.42	170.02	169.46	171.42	172.75	172.25	171.98	172.38
MAX	171.57	171.66	171.77	171.71	171.08	170.46	169.82	172.11	173.52	172.44	172.14	172.85
MIN	170.90	170.46	170.73	170.34	169.74	169.15	169.11	169.60	171.51	171.99	171.69	171.90

CAL YR 1983 MEAN 170.84 LOW 171.93 HIGH 169.55
WTR YR 1984 MEAN 171.28 LOW 173.52 HIGH 169.11

DECATUR COUNTY

305736084355801 Local number, 9F520.

LOCATION.--Lat 30°57'36", long 84°35'58", Hydrologic Unit 03130008, U.S. 27 north of Bainbridge, right on dirt road near John Deere tractor dealership.
Owner: Graham Bolton.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Unused private irrigation well, diameter 12 in., depth 251 ft, cased to 130 ft, open hole.

DATUM.--Altitude of land-surface datum is 128 ft, from topographic map.
Measuring point: Floor of recorder shelter, 3.50 ft above land-surface datum.

REMARKS.--This well is about 15 ft from pumped well. Water levels for period of missing recorder record, June 14 to August 27, were estimated.

PERIOD OF RECORD.--June 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.86 ft below land-surface datum, April 15, 1984; lowest, 54.78 ft below land-surface datum, August 20, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46.32	47.11	47.16	44.38	42.76	41.39	35.83	35.84	37.13	44.88	42.26	40.57
2	46.34	47.14	47.08	44.33	42.63	41.28	35.77	39.15	37.14	44.62	42.07	40.65
3	46.36	47.71	47.01	44.28	42.47	41.22	35.68	37.67	38.95	44.63	41.50	40.66
4	46.40	47.18	46.98	44.22	42.40	41.13	35.52	36.13	41.51	44.58	40.96	40.71
5	46.43	47.21	46.93	44.17	42.36	41.01	35.42	41.01	37.74	44.56	40.85	40.73
6	46.47	47.23	46.88	44.14	42.41	40.20	35.29	36.96	40.08	44.66	40.78	40.72
7	46.50	47.26	46.72	44.16	42.37	38.88	35.21	36.44	41.10	44.65	40.90	40.72
8	46.52	47.29	46.50	44.17	42.33	37.93	35.10	36.45	38.12	44.71	40.78	40.71
9	46.54	47.30	46.31	44.14	42.28	37.36	35.00	36.52	40.19	45.26	40.88	40.66
10	46.56	47.33	46.14	44.08	42.24	36.94	35.02	36.63	42.07	45.90	40.97	40.66
11	46.59	47.37	45.94	44.19	42.20	36.61	34.98	39.52	38.49	45.79	41.01	40.70
12	46.62	47.40	45.79	44.22	42.17	36.35	34.93	39.82	40.85	45.43	41.14	40.74
13	46.65	47.42	45.57	44.23	42.12	36.19	34.89	37.02	45.45	45.26	41.26	40.79
14	46.69	47.45	45.39	44.22	42.12	36.13	34.87	37.15	45.06	45.24	41.36	43.32
15	46.70	47.48	45.30	44.20	42.07	36.03	34.86	39.48	44.99	45.16	41.39	44.24
16	46.72	47.54	45.18	44.17	42.00	35.92	34.91	40.81	45.01	45.03	41.44	41.14
17	46.74	47.57	45.05	44.18	41.95	35.85	34.97	37.52	44.97	44.96	41.48	41.14
18	46.76	47.60	44.93	44.15	41.88	35.80	35.07	39.25	44.94	44.99	41.72	41.15
19	46.78	47.61	44.83	44.21	41.82	35.76	35.13	41.68	45.14	45.04	42.75	41.15
20	46.80	47.64	44.75	44.19	41.76	35.68	35.18	37.87	45.76	44.89	42.60	41.18
21	46.83	47.69	44.67	44.18	41.70	35.80	35.21	37.91	45.82	44.47	42.11	41.27
22	46.84	47.71	44.59	44.14	41.65	35.86	35.22	38.02	45.45	44.01	41.83	41.32
23	46.84	47.71	44.55	44.06	41.64	35.86	35.25	38.01	45.29	44.05	41.52	41.35
24	46.88	47.71	44.57	44.00	41.61	35.84	35.39	38.02	45.23	44.10	41.26	41.38
25	46.91	47.65	44.55	43.98	41.62	35.81	35.46	37.92	45.25	44.04	40.98	41.43
26	46.93	47.50	44.50	43.92	41.58	35.89	35.51	37.78	45.63	43.97	41.69	41.48
27	46.97	47.36	44.43	43.77	41.50	35.81	35.56	37.71	45.96	43.95	40.45	41.53
28	47.01	47.32	44.39	43.51	41.53	35.67	35.64	37.62	46.33	44.36	40.42	41.59
29	47.03	47.29	44.46	43.28	41.48	35.85	35.69	37.49	45.74	43.98	40.44	41.64
30	47.05	47.22	44.50	43.04	---	35.90	35.75	37.35	45.33	43.46	40.45	41.69
31	47.08	---	44.44	42.90	---	35.86	---	37.20	---	42.72	40.47	---
MEAN	46.71	47.43	45.49	44.03	42.02	37.16	35.28	38.00	43.02	44.62	41.28	41.23
MAX	47.08	47.71	47.16	44.38	42.76	41.39	35.83	41.68	46.33	45.90	42.75	44.24
MIN	46.32	47.11	44.39	42.90	41.48	35.67	34.86	35.84	37.13	42.72	40.42	40.57

CAL YR 1983 MEAN 43.47 LOW 47.71 HIGH 38.63
WTR YR 1984 MEAN 42.19 LOW 47.71 HIGH 34.86

DOUGHERTY COUNTY

313532084203501 Local number, 11L2.

LOCATION.--Lat 31°35'32", long 84°20'35", Hydrologic Unit 03130008, Tallassee Plantation, 10.4 mi west of Albany.
Owner: Georgia Department of Natural Resources.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in., depth 655 ft, cased to 542 ft, open hole.

DATUM.--Altitude of land-surface datum is 222 ft, from topographic map.
Measuring point: Floor of recorder shelter, 3.02 ft above land-surface datum.

REMARKS.--Well pumped April 1976; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 3, 1975. Water levels for period of missing recorder record, October 1-25, were estimated.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.90 ft below land-surface datum, April 29, 1975; lowest, 123.45 ft below land-surface datum, August 2, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108.46	104.40	99.20	95.49	92.87	89.70	88.03	86.29	90.37	106.81	103.21	104.61
2	108.60	104.28	99.00	95.33	92.79	89.62	87.95	86.20	90.29	106.78	102.93	105.05
3	108.75	104.17	98.67	95.24	92.58	89.58	87.72	86.06	90.34	106.60	102.59	105.44
4	108.90	103.82	98.49	95.03	92.35	89.47	87.56	86.03	90.62	106.27	102.27	105.83
5	108.61	103.67	98.47	94.94	92.24	89.15	87.52	86.07	91.03	105.83	101.96	106.21
6	108.73	103.63	98.34	94.84	92.35	89.08	87.46	86.02	91.61	105.63	101.63	106.59
7	108.34	103.36	98.37	94.86	92.40	89.22	87.35	85.92	92.48	105.40	101.33	107.12
8	107.35	103.12	98.32	94.93	92.36	89.44	87.18	85.86	93.47	105.16	101.12	107.80
9	107.37	102.95	98.24	94.80	92.20	89.47	86.93	85.87	94.47	104.99	101.04	108.42
10	107.38	102.73	98.08	94.48	91.98	89.47	86.83	85.81	95.38	104.82	100.97	108.89
11	107.09	102.65	97.79	94.50	91.81	89.33	86.81	85.79	96.26	104.85	100.96	109.22
12	107.10	102.57	97.57	94.69	91.58	89.07	86.61	85.78	97.10	105.20	100.95	109.47
13	106.91	102.37	97.53	94.72	91.35	88.81	86.53	85.78	98.02	105.72	100.88	109.92
14	106.73	102.15	97.34	94.61	91.28	88.66	86.48	85.79	99.12	106.22	100.82	110.57
15	106.71	101.91	97.37	94.49	91.32	88.64	86.41	85.67	100.31	106.50	100.75	111.20
16	106.69	101.83	97.39	94.29	91.32	88.70	86.35	86.00	101.40	106.53	100.71	111.75
17	106.67	101.77	97.32	94.13	91.25	88.67	86.36	86.34	102.28	106.42	100.95	112.12
18	106.53	101.58	97.13	93.97	91.08	88.53	86.42	86.92	102.93	106.33	101.34	112.07
19	106.39	101.33	96.85	94.00	90.91	88.44	86.49	87.73	103.52	106.28	101.73	111.79
20	106.20	100.98	96.64	94.02	90.83	88.23	86.60	88.56	104.19	106.23	102.12	111.56
21	105.92	101.00	96.53	94.00	90.80	88.34	86.71	89.33	104.98	106.13	102.49	111.39
22	105.93	100.80	96.40	94.00	90.67	88.37	86.63	90.02	105.93	105.94	102.87	111.58
23	105.44	100.45	96.32	93.82	90.54	88.43	86.42	90.58	106.75	105.78	103.19	111.79
24	105.25	100.15	96.23	93.62	90.42	88.31	86.43	90.94	107.23	105.65	103.52	111.80
25	105.26	100.15	95.98	93.62	90.36	88.12	86.48	91.17	107.42	105.42	103.90	111.86
26	105.28	99.95	95.53	93.63	90.03	88.09	86.44	91.29	107.28	105.17	104.23	112.03
27	105.19	99.56	95.20	93.53	89.68	87.98	86.34	91.24	107.17	104.88	104.38	112.25
28	105.06	99.26	95.17	93.38	89.73	87.72	86.35	91.12	107.08	104.58	104.33	112.48
29	104.83	99.34	95.37	93.27	89.72	87.82	86.39	90.87	106.89	104.31	104.29	112.68
30	104.70	99.28	95.48	93.17	---	87.96	86.35	90.63	106.80	103.96	104.23	112.83
31	104.52	---	95.45	93.03	---	87.98	---	90.42	---	103.53	104.31	---
MEAN	106.67	101.84	97.15	94.27	91.34	88.72	86.80	87.82	99.76	105.61	102.32	109.88
MAX	108.90	104.40	99.20	95.49	92.87	89.70	88.03	91.29	107.42	106.81	104.38	112.83
MIN	104.52	99.26	95.17	93.03	89.68	87.72	86.34	85.78	90.29	103.53	100.71	104.61

CAL YR 1983 MEAN 97.18 LOW 115.97 HIGH 83.42
WTR YR 1984 MEAN 97.70 LOW 112.83 HIGH 85.78

DOUGHERTY COUNTY

313554084062601 Local number, 13L2.

LOCATION.--Lat 31°35'54", long 84°06'25", Hydrologic Unit 03130008, Malone and Gardner Avenue near main entrance to Turner Field, Albany.

Owner: City of Albany, Turner City.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in. and 8 in., depth 760 ft, cased to 713 ft, open hole.

DATUM.--Altitude of land-surface is 212.84 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.2 ft above land-surface datum.

REMARKS.--Well pumped and sounded to a depth of 760 ft, June 21, 1978: water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted March 17, 1977. Water levels for periods of missing recorder record, October 10-24 and December 10 to January 3, were estimated.

PERIOD OF RECORD.--December 1957 to December 1959, January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.19 ft below land-surface datum, April 1, 1959; lowest, 153.04 ft below land-surface datum, August 1, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134.37	132.56	125.91	125.59	121.36	119.00	120.53	121.57	124.61	134.01	131.26	130.55
2	134.99	133.52	125.15	124.92	121.59	121.04	120.49	121.88	124.47	133.98	133.42	131.62
3	135.28	133.81	124.72	124.60	121.27	121.73	120.35	121.55	122.47	133.98	133.21	130.68
4	135.80	131.50	125.42	124.58	120.35	120.39	120.26	121.06	122.84	133.98	131.86	130.74
5	136.31	132.85	125.32	124.32	120.51	119.92	120.88	121.53	125.10	128.64	131.45	131.41
6	136.68	132.03	123.72	124.17	120.59	119.68	120.78	120.93	126.26	127.05	130.54	131.82
7	136.64	132.49	123.13	123.58	120.71	120.31	121.11	121.85	127.17	130.24	132.72	131.43
8	136.24	131.15	122.13	124.12	122.62	121.18	121.61	121.77	127.96	129.07	134.03	130.32
9	134.62	130.70	121.69	124.26	123.15	120.66	120.45	120.81	128.60	128.27	132.98	128.39
10	133.95	129.80	121.79	123.72	123.32	120.37	120.08	121.87	128.63	130.98	134.27	128.32
11	133.97	130.77	121.58	123.84	122.35	119.98	119.99	122.06	128.57	130.86	134.72	130.80
12	133.98	130.43	121.11	124.33	122.80	120.08	120.82	120.02	128.95	132.00	134.43	130.63
13	134.34	129.38	121.29	124.23	123.07	119.64	121.41	121.52	129.37	132.70	134.16	131.52
14	134.34	129.36	121.71	124.33	123.44	120.76	120.30	122.06	129.55	133.23	134.28	133.84
15	134.27	128.67	122.22	124.16	122.94	121.96	119.94	122.60	129.92	131.83	134.42	134.85
16	134.07	127.77	122.57	124.10	123.05	122.28	118.81	123.10	130.20	132.84	134.71	134.98
17	133.80	128.98	121.93	124.10	124.13	122.33	118.70	123.16	130.45	132.33	134.87	134.95
18	133.76	128.67	120.91	124.08	123.14	121.50	118.34	123.57	130.71	130.89	134.79	134.94
19	133.45	127.92	121.02	124.18	122.25	121.62	120.74	124.19	131.21	132.67	134.55	134.97
20	133.11	126.56	122.05	123.87	122.02	121.47	121.31	124.34	131.90	133.20	134.24	134.94
21	133.59	126.67	122.23	123.43	122.09	120.48	121.31	124.17	132.62	133.21	133.44	134.94
22	133.82	126.24	122.17	123.12	122.70	120.62	121.72	124.95	133.19	129.72	133.12	134.95
23	133.38	127.02	121.45	122.95	123.07	121.63	121.76	125.43	133.38	129.61	132.49	134.94
24	132.83	127.46	121.22	122.99	122.57	120.51	121.52	125.75	133.35	130.64	131.26	134.95
25	133.38	128.70	122.31	122.76	122.93	119.75	119.83	125.78	133.21	132.06	130.74	135.01
26	131.88	128.73	123.41	122.68	121.50	120.43	120.34	125.69	133.31	131.36	131.24	135.01
27	133.01	126.68	124.16	122.47	120.09	120.44	121.45	125.64	132.70	131.20	133.75	135.01
28	132.60	127.28	124.45	122.40	118.82	119.34	122.16	124.88	133.80	132.12	133.65	135.60
29	131.52	127.67	124.77	122.15	118.21	121.04	122.09	124.55	134.00	131.14	132.08	136.92
30	131.03	126.47	125.58	121.69	---	122.04	121.02	124.53	134.04	129.75	130.23	134.86
31	131.18	---	125.87	121.13	---	120.86	---	123.30	---	131.48	129.52	---
MEAN	133.94	129.39	123.00	123.64	121.95	120.74	120.67	123.10	129.75	131.45	132.98	133.13
MAX	136.68	133.81	125.91	125.59	124.13	122.33	122.16	125.78	134.04	134.01	134.87	136.92
MIN	131.03	126.24	120.91	121.13	118.21	119.00	118.34	120.02	122.47	127.05	129.52	128.32

CAL YR 1983 MEAN 125.44 LOW 140.69 HIGH 109.57
WTR YR 1984 MEAN 126.99 LOW 136.92 HIGH 118.21

DOUGHERTY COUNTY

313748084002901 Local number, 13L3.

LOCATION (REVISED).--Lat 31°33'13", long 84°00'21", Hydrologic Unit 03130008, near northeast corner of Marine Corps Supply Center, Acree, Ga.

Owner: City of Albany and Dougherty County.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 6 in., depth 259 ft, cased to 206 ft, open hole.

DATUM.--Altitude of land-surface is 225 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.10 ft above land-surface datum.

REMARKS.--Well pumped and sounded June 21, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted March 17, 1977.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.41 ft below land-surface datum, April 2, 1965; lowest, 44.89 ft below land-surface datum, December 13, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.86	35.45	34.87	31.54	26.80	25.97	22.50	22.61	26.11	28.49	28.65	29.01
2	33.90	35.50	34.79	31.33	26.70	25.75	22.55	22.57	26.24	28.53	28.33	29.15
3	33.96	35.52	34.65	31.19	26.45	25.64	22.43	22.49	26.39	28.47	27.52	29.15
4	34.07	35.52	34.66	31.22	26.34	25.52	22.23	22.51	26.56	28.46	27.19	29.20
5	34.16	35.62	34.78	31.13	26.38	25.27	22.29	22.54	26.70	28.47	26.95	29.15
6	34.25	35.70	34.59	31.10	26.66	24.00	22.37	22.49	26.88	28.53	26.84	29.23
7	34.37	35.73	34.29	31.27	26.78	23.96	22.44	22.59	27.05	28.62	26.72	29.31
8	34.44	35.70	33.92	31.42	26.78	23.89	22.40	22.71	27.20	28.69	26.72	29.35
9	34.43	35.70	33.76	31.33	26.70	23.77	22.28	22.87	27.33	28.82	26.76	29.33
10	34.50	35.72	33.59	31.14	26.66	23.61	22.28	23.01	27.43	28.92	26.83	29.37
11	34.53	35.85	33.21	31.36	26.66	23.40	22.31	23.09	27.52	29.03	26.93	29.51
12	34.56	35.90	32.95	31.54	26.63	23.24	22.32	23.24	27.66	29.09	27.05	29.65
13	34.60	35.95	32.73	31.59	26.53	23.20	22.33	23.40	27.85	29.14	27.15	29.78
14	34.70	35.99	32.51	31.55	26.53	23.10	22.33	23.52	27.95	29.22	27.25	29.86
15	34.67	36.00	32.64	31.49	26.62	23.06	22.35	23.68	28.10	29.25	27.36	29.93
16	34.72	36.15	32.75	31.43	26.57	22.94	22.43	23.89	28.25	29.28	27.46	30.08
17	34.75	36.20	32.63	31.43	26.55	22.88	22.57	24.11	28.33	29.34	27.51	30.23
18	34.75	36.24	32.45	31.43	26.51	22.89	22.74	24.25	28.37	29.41	27.60	30.24
19	34.80	36.19	32.32	31.50	26.46	22.87	22.87	24.33	28.53	29.47	27.72	30.27
20	34.82	36.10	32.41	31.40	26.40	22.63	22.94	24.42	28.67	29.49	27.84	30.37
21	34.93	36.20	32.43	31.34	26.41	22.59	23.01	24.54	28.80	29.49	28.05	30.49
22	34.94	36.16	32.37	31.25	26.45	22.72	22.90	24.67	28.81	29.53	28.13	30.63
23	34.90	36.10	32.42	31.00	26.52	22.82	22.63	24.76	28.85	29.62	28.10	30.74
24	35.05	35.84	32.54	30.37	26.60	22.73	22.54	24.81	28.91	29.71	28.10	30.80
25	35.09	35.12	32.62	29.67	26.73	22.53	22.48	24.87	29.00	29.72	28.30	30.87
26	35.15	35.42	32.56	28.98	26.72	22.53	22.38	25.03	29.00	29.76	28.40	30.95
27	35.26	35.25	32.43	27.97	26.37	22.43	22.40	25.30	28.83	29.81	28.47	31.02
28	35.31	35.15	32.32	27.15	26.30	22.08	22.45	25.70	28.67	29.89	28.53	31.07
29	35.31	35.05	32.33	26.97	26.22	22.30	22.47	26.09	28.58	29.96	28.65	31.12
30	35.35	35.02	32.26	26.85	---	22.53	22.55	26.09	28.42	29.45	28.77	31.22
31	35.41	---	31.90	26.91	---	22.51	---	26.05	---	28.87	28.90	---
MEAN	34.69	35.73	33.12	30.51	26.55	23.40	22.49	23.94	27.90	29.18	27.70	30.04
MAX	35.41	36.24	34.87	31.59	26.80	25.97	23.01	26.09	29.00	29.96	28.90	31.22
MIN	33.86	35.02	31.90	26.85	26.22	22.08	22.23	22.49	26.11	28.46	26.72	29.01

CAL YR 1983 MEAN 29.62 LOW 36.24 HIGH 21.53
WTR YR 1984 MEAN 28.78 LOW 36.24 HIGH 22.08

FULTON COUNTY

334207084254801 Local number, 10DD2.

LOCATION.--Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002, 0.25 mi south of main entrance, 260 ft west of Roosevelt Highway.

Owner: U.S. Army, Ft. McPherson.

AQUIFER.--Biotite gneiss.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in., depth 338 ft, cased to 41 ft, open hole.

DATUM.--Altitude of land-surface datum is 1,013 ft, from topographic map.

Measuring point: At land-surface datum.

REMARKS.--Well pumped and sounded February 14, 1976, to a depth of 338 ft. Borehole geophysical survey conducted November 19, 1974. Water levels for periods of missing recorder record, October 23, 24, and January 19, 20, 27-30, were estimated.

PERIOD OF RECORD.--November 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.10 ft below land-surface datum, March 30, 1980; lowest, 8.09 ft below land-surface datum, September 1-2, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.60	7.98	7.01	6.07	5.61	5.10	4.89	4.59	4.68	5.65	5.59	5.88
2	7.60	7.95	6.99	6.04	5.61	5.12	4.87	4.47	4.71	5.73	5.53	5.95
3	7.59	7.90	6.62	6.00	5.51	5.18	4.73	4.17	4.72	5.77	5.44	5.92
4	7.57	7.80	6.15	5.96	5.42	5.18	4.57	3.94	4.77	5.75	5.40	5.93
5	7.55	7.85	6.17	5.90	5.44	5.02	4.60	4.13	4.85	5.74	5.43	6.01
6	7.62	7.91	6.10	5.90	5.57	4.85	4.70	4.31	4.92	5.80	5.45	6.08
7	7.70	7.93	6.12	6.01	5.71	4.97	4.78	4.41	4.95	5.84	5.43	6.14
8	7.74	7.96	6.27	6.11	5.74	5.07	4.80	4.43	4.98	5.89	5.43	6.18
9	7.75	7.93	6.39	6.13	5.68	5.12	4.73	4.44	5.01	5.93	5.47	6.10
10	7.76	7.82	6.47	5.81	5.62	5.15	4.72	4.45	5.04	5.93	5.49	6.06
11	7.73	7.89	6.17	5.55	5.60	5.12	4.73	4.48	5.08	5.92	5.48	6.19
12	7.68	7.99	5.84	5.76	5.57	5.12	4.73	4.48	5.12	5.93	5.49	6.16
13	7.68	8.01	5.85	5.88	5.35	5.10	4.71	4.48	5.17	5.94	5.51	6.21
14	7.77	8.03	5.98	5.88	4.98	5.17	4.68	4.47	5.17	5.92	5.54	6.22
15	7.84	7.93	6.21	5.86	5.04	5.17	4.64	4.52	5.20	5.87	5.56	6.24
16	7.84	7.95	6.39	5.80	5.17	5.12	4.70	4.56	5.26	5.74	5.56	6.33
17	7.84	8.03	6.42	5.85	5.21	5.08	4.70	4.60	5.29	5.54	5.53	6.51
18	7.80	8.03	6.39	5.76	5.26	5.03	4.74	4.62	5.28	5.45	5.51	6.43
19	7.80	7.99	6.33	5.72	5.25	4.98	4.80	4.50	5.30	5.43	5.51	6.39
20	7.83	7.77	6.38	5.69	5.25	4.83	4.60	4.41	5.35	5.47	5.59	6.38
21	7.86	7.60	6.40	5.65	5.24	4.62	4.46	4.47	5.38	5.52	5.67	6.39
22	7.86	7.64	6.28	5.73	5.27	4.71	4.48	4.48	5.40	5.53	5.76	6.51
23	7.84	7.59	6.17	5.68	5.23	4.90	4.45	4.52	5.43	5.57	5.68	6.60
24	7.81	7.29	6.16	5.58	5.26	4.91	4.54	4.58	5.44	5.63	5.71	6.38
25	7.79	7.08	6.28	5.57	5.36	4.83	4.64	4.61	5.46	5.63	5.80	6.62
26	7.81	7.15	6.24	5.59	5.35	4.88	4.66	4.64	5.51	5.63	5.90	6.60
27	7.85	7.11	6.17	5.53	5.02	4.84	4.65	4.70	5.53	5.70	5.88	6.64
28	7.94	6.90	5.61	5.54	4.66	4.64	4.61	4.72	5.58	5.82	5.88	6.69
29	7.93	6.81	5.65	5.56	4.89	4.60	4.60	4.67	5.58	5.85	5.86	6.64
30	7.94	6.94	5.93	5.57	---	4.80	4.55	4.65	5.58	5.82	5.83	6.66
31	8.00	---	6.08	5.58	---	4.90	---	4.66	---	5.69	5.84	---
MEAN	7.77	7.69	6.23	5.78	5.34	4.97	4.67	4.49	5.19	5.73	5.60	6.31
MAX	8.00	8.03	7.01	6.13	5.74	5.18	4.89	4.72	5.58	5.94	5.90	6.69
MIN	7.55	6.81	5.61	5.53	4.66	4.60	4.45	3.94	4.68	5.43	5.40	5.88

CAL YR 1983 MEAN 6.02 LOW 8.09 HIGH 3.64
WTR YR 1984 MEAN 5.82 LOW 8.03 HIGH 3.94

GLYNN COUNTY

311007081301702 Local number, 33H133.

LOCATION.--Lat 31°10'07", long 81°30'17", Hydrologic Unit 03070203, near the intersection of Newcastle and Oak Streets to the south of the cemetery in Brunswick.

Owner: U.S. Geological Survey, test well 6.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 790 ft, cased to 520 ft, open hole.

DATUM.--Altitude of land-surface is 7 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.0 ft above land-surface datum.

REMARKS.--Well pumped monthly; water-quality samples collected at conclusion of pumping. Borehole geophysical survey conducted September 26, 1977. Water levels for periods of missing recorder record, December 30, 31 and September 28-30, were estimated. Well was flowing December 24-30.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.07 ft above land-surface datum, December 26, 1965; lowest, 21.87 ft below land-surface datum, July 22, 1977.

WATER LEVEL, IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM . WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-8.67	-6.76	-8.52	2.00	-5.99	-7.32	-7.07	-8.28	-9.28	-7.84	-11.65	-11.74
2	-7.48	-6.58	-8.83	.25	-6.26	-7.20	-6.94	-8.72	-9.34	-7.40	-11.87	-11.64
3	-6.41	-7.36	-8.64	-.49	-5.84	-7.40	-6.47	-8.95	-9.34	-7.78	-12.06	-11.51
4	-6.17	-7.32	-8.61	-2.31	-5.49	-7.49	-6.26	-8.97	-9.43	-8.15	-11.40	-10.93
5	-5.69	-7.65	-8.88	-2.83	-4.40	-6.83	-6.50	-9.00	-9.57	-7.90	-11.16	-11.66
6	-5.28	-8.02	-8.42	-3.03	-6.08	-6.16	-7.10	-9.08	-9.77	-7.44	-11.18	-11.29
7	-6.40	-8.34	-8.43	-4.15	-6.39	-6.30	-7.02	-6.19	-9.76	-7.57	-11.74	-10.09
8	-7.46	-8.80	-7.70	-5.86	-6.71	-6.67	-6.07	-3.19	-8.84	-7.75	-11.47	-10.05
9	-8.07	-8.62	-8.36	-7.06	-6.18	-7.37	-6.34	-1.84	-9.71	-7.25	-11.05	-9.07
10	-7.81	-8.55	-7.31	-6.25	-6.26	-7.92	-6.23	-1.58	-9.70	-7.84	-10.92	-8.65
11	-7.75	-8.85	-6.10	-5.99	-7.06	-7.87	-6.23	-4.96	-9.73	-7.63	-10.82	-8.51
12	-6.98	-8.78	-5.73	-4.35	-7.18	-8.00	-6.44	-7.51	-9.73	-7.60	-10.68	-8.90
13	-7.63	-8.72	-5.43	-2.70	-6.71	-7.10	-6.68	-7.55	-9.71	-7.80	-10.15	-9.22
14	-7.87	-8.38	-4.26	-1.49	-6.71	-7.55	-6.97	-7.09	-9.63	-8.30	-10.33	-8.92
15	-8.30	-8.66	-3.96	-.54	-6.82	-7.40	-5.12	-7.52	-9.44	-8.33	-11.38	-9.05
16	-8.28	-8.71	-3.38	-.92	-6.90	-7.89	-6.52	-8.48	-9.42	-8.75	-11.73	-9.02
17	-8.24	-7.91	-3.38	-.86	-7.27	-7.68	-6.66	-8.76	-8.92	-8.10	-12.07	-8.89
18	-8.02	-8.48	-3.08	-1.00	-7.70	-7.32	-7.74	-7.83	-8.73	-9.22	-12.10	-8.59
19	-8.35	-8.92	-4.27	-1.21	-7.67	-7.81	-7.94	-7.84	-8.54	-9.25	-11.68	-8.43
20	-8.47	-8.28	-3.60	-2.26	-7.42	-7.52	-8.02	-8.80	-9.94	-8.65	-11.15	-8.31
21	-7.70	-8.70	-4.09	-3.29	-7.49	-7.66	-7.98	-8.97	-9.26	-8.34	-11.36	-8.56
22	-7.85	-7.87	-3.57	-3.71	-6.88	-7.99	-7.35	-9.62	-9.92	-8.00	-12.10	-8.19
23	-7.60	-8.29	-2.07	-3.41	-6.67	-8.09	-7.42	-8.74	-8.94	-8.38	-12.93	-8.35
24	-7.18	-7.94	---	-2.67	-6.88	-7.96	-7.89	-9.98	-9.02	-8.59	-12.07	-7.49
25	-7.71	-8.48	---	-2.96	-7.21	-8.02	-7.84	-9.99	-8.99	-8.83	-11.66	-7.40
26	-6.76	-8.77	---	-3.72	-7.07	-7.85	-7.45	-9.95	-8.01	-9.84	-11.31	-8.04
27	-7.64	-8.81	---	-4.24	-6.69	-6.99	-7.84	-9.93	-9.01	-10.73	-11.28	-8.53
28	-8.88	-8.92	---	-4.92	-6.00	-6.29	-7.82	-9.92	-9.61	-11.30	-11.13	-8.39
29	-8.82	-8.11	---	-5.41	-6.57	-6.61	-8.56	-9.71	-9.34	-11.08	-11.32	-8.62
30	-7.99	-8.74	.00	-5.78	---	-6.54	-7.57	-9.19	-8.65	-10.68	-11.46	-8.82
31	-7.36	---	-1.00	-5.75	---	-6.78	---	-9.03	---	-11.03	-11.97	---
MEAN	-7.57	-8.28	---	-3.13	-6.64	-7.34	-7.06	-7.98	-9.31	-8.62	-11.46	-9.23
MAX	-5.28	-6.58	---	2.00	-4.40	-6.16	-5.12	-1.58	-8.01	-7.25	-10.15	-7.40
MIN	-8.88	-8.92	---	-7.06	-7.70	-8.09	-8.56	-9.99	-9.94	-11.30	-12.93	-11.74

LAMAR COUNTY

330858084122901 Local number, 12Z1.

LOCATION.--Lat 33°08'58", long 84°12'29", Hydrologic Unit 03130005, north of Milner, Ga., at the gas storage center.
Owner: Dixie Pipeline Co.

AQUIFER.--Residuum..

WELL CHARACTERISTICS.--Bored observation well, diameter 24 in., depth 3190 ft, cased to 31 ft.

DATUM.--Altitude of land-surface is 852 ft, National Geodetic Vertical Datum of 1929.
Measuring point: Floor of recorder shelter, 2.0 ft above land-surface datum.

REMARKS.--Well levels for periods of missing recorder record, October 1, 2, 8, 9, 22, 23, 29, 30, November 6, 12, 13, 19, 26, 27, December 4, 10, 11, 13, 17, 18, 23-26, February 1, September 1-3, 8-9, 15, 16, and 22, 23, were estimated.

PERIOD OF RECORD.--January 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.37 ft below land-surface datum, April 9, 1973; lowest, 15.20 ft below land-surface datum, December 1, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.58	12.37	10.31	8.80	7.84	7.40	7.14	8.00	8.64	10.07	7.99	9.13
2	11.61	12.61	9.97	8.50	7.90	7.32	7.16	8.01	8.69	10.12	7.62	9.15
3	11.01	12.62	9.68	8.60	7.87	7.33	7.12	7.97	8.73	10.14	7.28	9.16
4	11.65	12.64	9.43	8.59	7.87	7.38	7.02	7.86	8.79	10.20	7.09	9.18
5	11.11	12.65	9.10	8.62	7.93	7.32	7.05	7.65	8.85	10.24	7.06	9.25
6	11.76	12.58	9.12	8.69	8.08	7.17	7.15	7.48	8.91	10.28	6.97	9.32
7	11.90	12.50	9.00	8.82	8.24	7.06	7.23	7.44	8.96	10.27	6.92	9.45
8	11.92	12.53	8.96	8.80	8.33	6.97	7.31	7.43	9.02	10.33	6.96	9.46
9	11.92	12.55	8.63	8.85	8.36	6.97	7.24	7.47	9.09	10.38	7.05	9.48
10	11.94	12.58	8.65	8.53	8.39	7.03	7.07	7.54	9.15	10.43	7.18	9.50
11	11.97	12.65	8.51	8.74	8.44	7.04	6.94	7.62	9.21	10.47	7.28	9.57
12	11.99	12.65	8.42	8.47	8.46	7.09	6.91	7.70	9.26	10.50	7.40	9.63
13	12.21	12.64	8.36	8.39	8.36	7.14	6.92	7.77	9.30	10.53	7.52	9.68
14	12.18	12.62	8.30	8.37	8.11	7.23	6.94	7.83	9.34	10.53	7.63	9.85
15	12.18	12.46	8.41	8.32	7.87	7.31	6.97	7.90	9.39	10.54	7.74	9.85
16	12.17	12.29	8.57	8.34	7.70	7.34	7.03	7.99	9.45	10.53	7.83	9.87
17	11.99	12.16	8.57	8.28	7.64	7.37	7.12	8.06	9.50	10.43	7.90	9.89
18	12.02	11.89	8.36	8.04	7.65	7.41	7.24	8.13	9.54	10.26	7.95	9.93
19	12.04	12.11	8.58	7.93	7.66	7.43	7.34	8.16	9.59	10.05	8.01	9.98
20	12.06	12.29	8.69	7.80	7.69	7.42	7.41	8.20	9.63	9.87	8.08	10.00
21	12.10	12.22	8.70	7.78	7.73	7.36	7.47	8.27	9.67	9.77	8.33	10.18
22	12.11	11.95	8.94	7.75	7.79	7.34	7.48	8.30	9.71	9.74	8.35	10.20
23	12.09	11.88	8.93	7.63	7.84	7.34	7.44	8.29	9.75	9.75	8.42	10.21
24	12.14	11.74	8.97	7.65	7.89	7.31	7.50	8.30	9.77	9.77	8.68	10.23
25	12.40	10.90	8.99	7.48	7.98	7.20	7.61	8.34	9.81	9.83	8.70	10.27
26	12.50	10.84	8.99	7.39	8.06	7.09	7.68	8.38	9.85	9.76	8.71	10.32
27	12.24	10.73	8.95	7.32	7.83	7.02	7.77	8.43	9.89	9.57	8.73	10.37
28	12.32	10.65	8.79	7.31	7.52	6.84	7.86	8.47	9.94	9.30	8.78	10.36
29	12.31	10.83	8.80	7.37	7.44	6.79	7.91	8.50	9.99	9.07	8.84	10.38
30	12.33	10.60	8.79	7.41	---	7.03	7.95	8.56	10.03	8.75	8.97	10.41
31	12.34	---	8.65	7.78	---	7.14	---	8.60	---	8.37	9.11	---
MEAN	12.00	12.06	8.88	8.14	7.95	7.20	7.30	8.02	9.38	10.00	7.91	9.81
MAX	12.50	12.65	10.31	8.85	8.46	7.43	7.95	8.60	10.03	10.54	9.11	10.41
MIN	11.01	10.60	8.30	7.31	7.44	6.79	6.91	7.43	8.64	8.37	6.92	9.13

CAL YR 1983 MEAN 9.37 LOW 12.65 HIGH 5.48
WTR YR 1984 MEAN 9.05 LOW 12.65 HIGH 6.79

LAURENS COUNTY

322652083033001 Local number, 21T1.

LOCATION.--Lat 32°26'52", long 83°03'30", Hydrologic Unit 03070102, approximately 1.8 mi northeast of Dexter, Ga.
Owner: Danny Hogan.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in., depth 123 ft, cased to 89 ft, open hole.

DATUM.--Altitude of land-surface is 252 ft, from barometric levels.
Measuring point: Floor of recorder shelter, 2.57 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted November 1973. Well levels for periods of missing recorder record, August 7-16, were estimated.

PERIOD OF RECORD.--March 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.04 ft below land-surface datum, February 17, 18, 1983; lowest, 39.58 ft below land-surface datum, November 12, 1968.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.21	33.46	28.71	25.45	24.74	25.52	25.79	26.49	27.26	30.59	28.77	28.71
2	31.31	33.50	28.46	25.45	24.78	25.41	25.88	26.57	27.19	30.84	28.05	28.90
3	31.38	33.52	28.15	25.44	24.79	25.35	25.89	26.59	27.16	30.82	27.29	29.06
4	31.46	33.52	27.92	25.45	24.74	25.31	25.85	26.62	26.75	30.83	26.76	29.24
5	31.54	33.54	27.80	25.45	24.78	25.24	25.78	26.77	27.26	30.96	26.43	29.44
6	31.66	33.62	27.60	25.46	24.92	25.04	25.78	26.92	27.37	31.12	26.22	29.62
7	31.80	33.67	26.96	25.57	25.07	24.92	25.77	27.07	27.50	31.16	26.24	29.80
8	31.91	33.71	26.60	25.71	25.20	24.84	25.77	27.18	27.64	31.21	26.25	29.97
9	32.01	33.73	26.38	25.83	25.26	24.79	25.73	27.32	27.78	31.29	26.27	30.10
10	32.08	33.73	26.22	25.82	25.32	24.80	25.69	27.46	27.94	31.36	26.30	30.20
11	32.11	33.76	26.00	25.84	25.39	24.80	25.70	27.60	28.11	31.43	26.28	30.36
12	32.15	33.84	25.57	26.02	25.46	24.82	25.71	27.73	28.31	31.52	26.26	30.53
13	32.19	33.89	25.46	26.14	25.49	24.83	25.71	27.84	28.52	31.67	26.24	30.70
14	32.30	33.93	25.29	26.22	25.50	24.89	25.74	27.95	28.67	31.79	26.22	30.85
15	32.39	33.94	25.28	26.28	25.60	24.96	25.79	28.08	28.85	31.90	26.20	30.98
16	32.45	33.94	25.33	26.31	25.67	24.99	25.87	28.24	29.04	31.93	26.23	31.17
17	32.51	34.01	25.36	26.38	25.77	25.07	25.97	28.42	29.25	31.98	26.18	31.34
18	32.56	34.06	25.33	26.43	25.85	25.12	26.11	28.57	29.41	32.05	26.26	31.45
19	32.61	34.09	25.25	26.40	25.92	25.18	26.24	28.66	29.58	32.12	26.35	31.53
20	32.69	33.96	25.25	26.35	25.99	25.22	26.26	28.75	29.77	32.15	26.49	31.62
21	32.77	33.92	25.28	26.26	26.06	25.22	26.28	28.89	29.93	32.17	26.68	31.74
22	32.83	33.92	25.23	26.22	26.14	25.33	26.30	28.98	29.99	32.21	26.84	31.90
23	32.82	33.85	25.19	26.14	26.14	25.43	26.22	28.77	30.06	32.29	26.94	32.06
24	32.82	33.49	25.19	25.90	26.21	25.50	26.19	28.54	30.13	32.38	27.09	32.15
25	32.89	32.30	25.28	25.56	26.28	25.47	26.19	28.38	30.16	32.44	27.29	32.22
26	32.97	31.28	25.32	25.28	26.37	25.48	26.19	28.29	30.14	32.49	27.52	32.33
27	33.06	30.50	25.33	25.00	26.20	25.49	26.22	28.23	30.31	32.49	27.73	32.46
28	33.19	29.86	25.27	24.82	25.78	25.38	26.27	28.15	30.51	32.28	27.93	32.56
29	33.23	29.39	25.26	24.72	25.58	25.43	26.33	27.91	30.41	31.34	28.13	32.62
30	33.31	29.00	25.38	24.68	---	25.62	26.39	27.61	30.58	30.33	28.33	32.71
31	33.40	---	25.45	24.70	---	25.72	---	27.39	---	29.44	28.52	---
MEAN	32.37	33.10	26.04	25.72	25.55	25.20	25.99	27.81	28.85	31.57	26.91	30.94
MAX	33.40	34.09	28.71	26.43	26.37	25.72	26.39	28.98	30.58	32.49	28.77	32.71
MIN	31.21	29.00	25.19	24.68	24.74	24.79	25.69	26.49	26.75	29.44	26.18	28.71

CAL YR 1983 MEAN 28.70 LOW 34.17 HIGH 24.04
WTR YR 1984 MEAN 28.34 LOW 34.09 HIGH 24.68

LIBERTY COUNTY

314343081251901 Local number, 34M54.

LOCATION.--Lat 31°43'43", long 81°25'19", Hydrologic Unit 03060204, Riceboro, Ga., near entrance to Interstate Paper Co.
 Owner: U.S. Geological Survey, test well 2.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 602 ft, cased to 467 ft, open hole.

DATUM.--Altitude of land-surface is 19 ft, National Geodetic Vertical Datum of 1929.
 Measuring point: Floor of recorder shelter, 3.4 ft above land-surface datum.

REMARKS.--Well pumped July 11, 1979; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 15, 1976. Water levels for period of missing recorder record, December 2-19, were estimated.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.85 ft below land-surface datum, February 5, 1967; lowest, 24.30 ft below land-surface datum, December 20, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.78	20.32	21.00	20.83	20.48	20.46	20.04	18.71	20.20	20.74	21.55	21.69
2	20.78	20.66	20.98	20.86	20.60	20.46	19.90	18.53	20.25	20.82	21.51	21.78
3	20.72	20.66	20.85	21.00	20.48	20.54	19.74	18.32	20.19	20.87	21.58	21.72
4	20.81	20.52	20.80	20.89	20.32	20.48	19.58	18.68	20.22	20.82	21.50	21.71
5	20.76	20.52	20.89	20.58	20.26	20.32	19.59	19.34	20.36	20.85	21.52	21.76
6	20.58	20.59	20.80	20.36	20.35	20.14	19.60	19.53	20.42	20.56	21.50	21.84
7	20.57	20.61	20.97	20.44	20.52	20.27	19.74	19.67	20.52	20.57	21.54	21.88
8	20.14	20.51	21.03	20.58	20.68	20.48	20.00	19.73	20.57	20.77	21.48	21.82
9	20.18	20.46	21.08	20.60	20.76	20.48	20.02	19.80	20.56	20.92	21.53	21.69
10	20.43	20.43	21.10	20.44	20.59	20.60	20.10	19.89	20.54	21.00	21.49	21.58
11	20.53	20.49	20.89	20.50	20.42	20.52	20.24	20.06	20.69	20.98	21.62	21.80
12	20.50	20.63	20.74	20.67	20.40	20.60	20.02	20.02	20.78	20.98	21.54	22.02
13	20.52	20.63	20.77	20.91	20.37	20.52	20.01	19.98	20.67	21.07	21.64	22.08
14	20.65	20.00	20.71	20.70	20.43	20.54	19.85	19.90	20.69	21.16	21.74	22.00
15	20.72	20.55	20.90	20.26	20.45	20.66	19.81	19.92	20.70	21.20	21.90	22.00
16	20.72	20.56	21.05	20.33	20.49	20.58	19.70	20.05	20.77	21.15	21.95	22.02
17	20.78	20.66	21.10	20.21	20.50	20.49	19.82	19.93	20.82	21.13	21.86	22.02
18	20.68	20.75	21.00	20.18	20.41	20.42	19.80	20.04	20.86	20.91	21.72	21.88
19	20.52	20.82	20.93	20.24	20.33	19.92	19.86	20.01	20.83	21.37	21.64	21.73
20	20.65	20.61	21.01	20.39	20.27	19.80	19.88	20.12	20.59	21.44	21.74	21.50
21	20.73	20.67	20.96	20.48	20.20	19.98	19.92	20.14	20.21	21.46	21.86	21.34
22	20.64	20.84	20.56	20.54	20.08	20.14	19.84	20.26	20.26	21.36	21.85	21.48
23	20.52	20.82	19.98	20.72	20.06	20.19	19.70	20.28	20.65	21.37	21.52	21.52
24	20.58	20.58	19.78	20.58	20.11	20.09	19.75	20.34	20.79	21.44	21.70	21.48
25	20.67	20.55	20.44	20.44	20.28	19.92	19.91	20.32	20.74	21.44	21.78	21.46
26	20.68	20.66	19.70	20.34	20.44	19.91	19.92	20.36	20.72	21.54	21.82	21.62
27	20.32	20.55	19.22	20.20	20.21	19.84	19.94	20.42	20.72	21.48	21.70	21.66
28	20.37	20.60	18.77	20.13	20.17	19.40	20.07	20.46	20.71	21.61	21.65	21.42
29	20.78	20.78	18.93	20.15	20.19	19.58	20.10	20.31	20.64	21.58	21.71	21.41
30	20.83	20.89	19.76	20.14	---	19.95	19.56	20.27	20.62	21.58	21.65	21.39
31	20.27	---	20.67	20.40	---	20.16	---	20.34	---	21.57	21.64	---
MEAN	20.59	20.60	20.56	20.49	20.37	20.24	19.87	19.86	20.57	21.15	21.56	21.71
MAX	20.83	20.89	21.10	21.00	20.76	20.66	20.24	20.46	20.86	21.61	21.95	22.08
MIN	20.14	20.00	18.77	20.13	20.06	19.40	19.56	18.32	20.19	20.56	21.48	21.34

CAL YR 1983 MEAN 19.70 LOW 21.10 HIGH 17.70
WTR YR 1984 MEAN 20.64 LOW 22.08 HIGH 18.32

LIBERTY COUNTY

315214081235301 Local number, 34N89.

LOCATION.--Lat 31°52'14", long 81°23'53", Hydrologic Unit 03060204, north of Midway, Ga., near intersection of Georgia Highway 196 and U.S. Highway 17.

Owner: U.S. Geological Survey, test well 1.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 789 ft, cased to 410 ft, open hole.

DATUM.--Altitude of land-surface is 17 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Top of 6 in. casing, 1.33 ft above land-surface datum.

REMARKS.--Well pumped July 11, 1979; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 15, 1976. Well levels for period of missing recorder record, May 30 to June 25, were estimated.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.34 ft below land-surface datum, March 6, 1967; lowest, 22.28 ft below land-surface datum, August 10, 11, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.85	19.05	18.86	19.04	18.54	18.48	18.28	18.09	18.50	19.21	19.82	20.22
2	18.86	18.98	18.83	19.00	18.58	18.44	18.32	18.01	18.53	19.29	19.88	20.30
3	18.84	18.89	18.68	18.90	18.42	18.45	18.16	17.84	18.55	19.32	19.87	20.28
4	18.79	18.74	18.64	18.82	18.24	18.49	18.00	17.76	18.58	19.28	19.86	20.26
5	18.75	18.75	18.72	18.68	18.28	18.35	17.94	17.90	18.63	19.30	19.88	20.28
6	18.79	18.80	18.60	18.60	18.44	18.16	18.02	17.95	18.73	19.35	19.86	20.34
7	18.86	18.77	18.79	18.72	18.68	18.24	18.08	18.00	18.77	19.39	19.83	20.40
8	18.87	18.69	18.85	18.86	18.79	18.40	18.12	17.92	18.80	19.50	19.82	20.40
9	18.90	18.61	18.90	18.88	18.74	18.43	18.02	17.98	18.83	19.62	19.84	20.26
10	18.94	18.52	18.90	18.64	18.67	18.49	17.92	18.02	18.84	19.65	19.88	20.13
11	18.84	18.59	18.70	18.65	18.67	18.48	17.97	18.07	18.86	19.60	19.90	20.16
12	18.79	18.71	18.53	18.90	18.58	18.52	17.99	18.08	18.90	19.60	20.04	20.20
13	18.80	18.69	18.56	18.91	18.46	18.44	17.93	18.08	18.90	19.69	20.19	20.24
14	18.90	18.73	18.52	18.89	18.38	18.53	17.88	18.11	18.87	19.80	20.28	20.22
15	18.92	18.64	18.70	18.86	18.48	18.56	17.82	18.16	18.88	19.87	20.30	20.23
16	18.91	18.72	18.86	18.74	18.48	18.46	17.82	18.21	18.91	19.84	20.26	20.33
17	18.89	18.84	18.90	18.73	18.44	18.40	17.87	18.32	18.94	19.82	20.19	20.42
18	18.87	18.90	18.84	18.63	18.44	18.38	17.96	18.35	18.93	19.81	20.12	20.36
19	18.87	18.85	18.80	18.64	18.40	18.31	18.03	18.32	18.94	19.81	20.10	20.28
20	18.88	18.62	18.93	18.74	18.34	18.13	18.06	18.27	18.97	19.78	20.14	20.22
21	18.90	18.76	18.89	18.82	18.31	18.12	18.08	18.32	18.98	19.74	20.22	20.20
22	18.85	18.84	18.78	18.90	18.28	18.27	18.01	18.41	18.95	19.72	20.25	20.30
23	18.73	18.76	18.76	18.78	18.22	18.32	17.87	18.41	18.93	19.80	20.17	20.34
24	18.82	18.62	18.82	18.58	18.28	18.30	17.90	18.40	18.94	19.86	20.18	20.30
25	18.92	18.74	18.96	18.50	18.32	18.16	18.00	18.42	18.88	19.86	20.24	20.23
26	18.96	18.90	19.00	18.50	18.38	18.18	18.02	18.48	19.19	19.84	20.30	20.26
27	18.96	18.76	18.93	18.33	18.17	18.10	18.04	18.54	19.20	19.84	20.27	20.30
28	19.08	18.62	18.73	18.25	18.15	17.80	18.05	18.54	19.20	19.88	20.22	20.17
29	19.02	18.74	18.71	18.32	18.38	17.90	18.09	18.44	19.16	19.85	20.20	[illegible]
30	19.05	18.84	18.95	18.30	---	18.20	18.08	18.38	19.14	19.81	20.17	20.06
31	19.07	---	19.04	18.46	---	18.29	---	18.42	---	19.76	20.16	---
MEAN	18.89	18.76	18.80	18.70	18.43	18.32	18.01	18.20	18.98	19.66	20.08	20.26
MAX	19.08	19.05	19.04	19.04	18.79	18.56	18.32	18.54	19.20	19.88	20.30	20.42
MIN	18.73	18.52	18.52	18.25	18.15	17.80	17.82	17.76	18.50	19.21	19.82	20.06

CAL YR 1983 MEAN 17.66 LOW 19.08 HIGH 15.85
WTR YR 1984 MEAN 18.92 LOW 20.42 HIGH 17.76

LONG COUNTY

313845081361701 Local number, 33M4.

LOCATION.--Lat 31°38'54", long 81°36'04", Hydrologic Unit 03070106, 9 mi southeast of Ludowici, at Hope Cemetery.
Owner: U.S. Geological Survey, test well 3.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4-3 in., depth 872 ft, cased to 538 ft, open hole.

DATUM.--Altitude of land-surface is 61.2 ft, National Geodetic Vertical Datum of 1929.
Measuring point: Top of recorder shelter, 3.5 ft above land-surface datum.

REMARKS.--Well pumped and sounded June 17, 1976, to depth of 861 ft; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted July 28, 1976. Well levels for period of missing recorder record, May 9-27, were estimated.

PERIOD OF RECORD.--January 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.04 ft below land-surface datum, January 14, 1968; lowest, 53.22 ft below land-surface datum, July 27, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.91	48.73	49.16	47.86	48.01	48.40	47.19	47.83	48.32	48.81	49.44	49.74
2	47.93	48.71	49.14	47.66	48.10	48.38	47.28	47.74	48.29	48.91	49.51	49.81
3	47.94	48.62	49.00	47.52	47.97	48.39	47.19	47.61	48.34	48.93	49.51	49.76
4	47.91	48.53	48.95	47.37	47.80	48.40	47.09	47.58	48.39	48.92	49.49	49.66
5	47.87	48.60	49.04	47.26	47.83	48.24	47.06	47.72	48.40	48.91	49.48	49.60
6	47.92	48.65	48.95	47.20	48.03	48.06	47.20	47.81	48.38	48.92	49.47	49.52
7	48.00	48.64	49.11	47.39	48.28	48.23	47.32	47.85	48.44	48.94	49.44	49.40
8	48.04	48.58	49.17	47.55	48.41	48.37	47.42	47.76	48.53	48.94	49.43	49.20
9	48.05	48.52	49.22	47.44	48.41	48.39	47.36	47.82	48.60	49.05	49.44	48.86
10	48.04	48.46	49.24	47.25	48.38	48.43	47.31	47.89	48.62	49.07	49.43	48.58
11	48.00	48.52	49.02	47.36	48.36	48.41	47.40	48.05	48.62	49.02	49.42	48.40
12	47.95	48.62	48.87	47.65	48.33	48.41	47.47	48.00	48.64	49.02	49.48	48.26
13	47.96	48.63	48.90	47.73	48.23	48.32	47.46	47.95	48.68	49.08	49.53	48.11
14	48.04	48.69	48.84	47.78	48.19	48.31	47.43	47.85	48.69	49.18	49.58	47.96
15	48.08	48.61	49.02	47.78	48.31	48.19	47.39	47.86	48.68	49.21	49.58	47.85
16	48.07	48.70	49.17	47.73	48.31	47.93	47.42	47.98	48.72	49.16	49.58	48.07
17	48.05	48.84	49.22	47.81	48.30	47.66	47.47	47.84	48.79	49.14	49.52	48.11
18	48.01	48.93	49.12	47.76	48.31	47.43	47.60	47.94	48.78	49.15	49.47	48.12
19	48.02	48.82	49.04	47.85	48.28	47.17	47.70	47.90	48.76	49.21	49.45	48.12
20	48.06	48.63	49.12	47.99	48.23	46.84	47.78	47.99	48.75	49.25	49.49	48.12
21	48.09	48.85	49.09	48.09	48.19	46.71	47.81	48.00	48.76	49.22	49.59	48.20
22	48.13	48.92	48.98	48.20	48.17	46.79	47.76	48.11	48.75	49.2[illegible]	49.64	48.37
23	47.99	48.85	48.94	48.12	48.13	46.85	47.62	48.12	48.74	49.29	49.58	48.50
24	48.04	48.72	48.96	47.95	48.21	46.95	47.63	48.16	48.75	49.37	49.62	48.55
25	48.13	48.94	48.99	47.89	48.24	46.75	47.74	48.13	48.70	49.38	49.70	48.57
26	48.19	49.05	48.82	47.92	48.30	46.78	47.78	48.16	48.72	49.36	49.79	48.60
27	48.35	48.94	48.48	47.77	48.11	46.76	47.78	48.20	48.75	49.38	49.80	48.65
28	48.54	48.89	48.13	47.76	48.08	46.68	47.81	48.23	48.76	49.42	49.77	48.58
29	48.58	49.01	48.03	47.83	48.29	46.71	47.84	48.30	48.74	49.44	49.77	48.60
30	48.65	49.09	48.13	47.83	---	46.96	47.82	48.36	48.73	49.42	49.74	48.69
31	48.71	---	48.05	47.94	---	47.10	---	48.38	---	49.40	49.72	---
MEAN	48.10	48.74	48.90	47.72	48.20	47.64	47.50	47.97	48.63	49.15	49.56	48.69
MAX	48.71	49.09	49.24	48.20	48.41	48.43	47.84	48.38	48.79	49.44	49.80	49.81
MIN	47.87	48.46	48.03	47.20	47.80	46.68	47.06	47.58	48.29	48.81	49.42	47.85

CAL YR 1983 MEAN 47.51 LOW 49.24 HIGH 44.75
WTR YR 1984 MEAN 48.40 LOW 49.81 HIGH 46.68

LOWNDES COUNTY

304949083165301 Local number, 19E9.

LOCATION.--Lat 30°49'49", long 83°16'53", Hydrologic Unit 03110202, N. Oak Street, one block north of intersection with U.S. Highway 84, Valdosta, Ga.

Owner: City of Valdosta.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 20 in., depth 342 ft, cased to 200 ft, open hole.

DATUM.--Altitude of land-surface is 217 ft, from topographic map.

Measuring point: Top of casing, 1.7 ft above land-surface datum.

REMARKS.--Well pumped July 18, 1978, water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted April 11, 1963.

PERIOD OF RECORD.--February 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 112.69 ft below land-surface datum, March 9, 1964; lowest, 146.60 ft below land-surface datum, July 18, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133.19	138.00	132.56	131.94	125.02	123.99	121.01	121.60	125.99	129.57	127.45	127.86
2	133.11	138.69	132.63	131.19	124.48	123.48	121.78	122.51	127.77	129.21	127.12	127.41
3	133.58	138.34	132.42	130.65	124.02	123.51	120.05	121.79	128.58	129.07	127.25	127.98
4	133.79	138.12	131.88	129.07	123.99	122.69	120.73	121.96	128.74	128.45	126.32	128.31
5	135.06	138.29	131.78	128.37	123.74	122.57	120.01	123.53	129.89	128.17	125.98	128.42
6	134.90	138.02	131.60	128.52	123.43	121.76	120.18	122.75	130.50	128.16	126.27	128.66
7	135.12	138.38	131.96	127.79	124.05	121.74	120.48	123.49	130.56	127.41	127.05	128.66
8	135.79	136.96	131.42	128.26	124.16	121.17	119.34	124.01	130.42	128.59	127.61	129.24
9	135.69	139.46	131.59	127.39	123.85	120.97	119.60	123.76	130.81	128.29	127.82	129.00
10	135.50	138.53	131.44	126.62	123.70	120.96	119.03	123.95	129.93	128.25	127.84	129.25
11	134.55	138.63	130.74	128.12	124.19	120.82	119.23	128.43	130.15	128.39	127.44	129.99
12	134.22	139.12	130.13	127.49	123.43	120.71	119.52	126.23	131.63	128.04	126.54	130.42
13	134.09	138.66	130.01	127.42	123.30	121.05	119.44	125.26	132.28	128.67	127.47	130.84
14	134.15	138.58	130.23	127.70	123.28	121.38	119.63	125.48	130.90	128.81	127.81	131.23
15	134.65	138.96	129.83	127.18	123.69	121.00	119.86	125.03	130.53	127.85	128.25	130.95
16	134.74	139.39	129.99	127.20	123.51	121.14	119.24	126.13	130.45	127.88	128.56	132.10
17	134.85	139.24	129.81	127.01	123.49	121.33	119.39	128.02	130.74	128.16	129.21	131.70
18	135.18	139.48	130.01	127.33	123.57	121.52	120.67	127.12	130.55	128.45	128.04	132.46
19	136.00	139.93	130.46	127.46	123.26	121.13	120.72	127.73	131.06	127.91	127.48	132.58
20	136.27	138.78	130.53	127.30	122.94	120.87	120.66	127.16	132.13	128.29	127.62	132.77
21	136.12	137.15	129.65	127.61	123.48	121.57	122.47	127.49	132.53	128.52	127.78	133.90
22	136.35	136.21	128.69	127.24	124.51	121.23	122.29	126.53	131.54	128.20	127.86	134.45
23	136.00	136.11	128.07	127.90	124.34	121.29	121.55	126.62	131.17	128.05	128.11	134.60
24	136.08	135.40	127.90	126.79	124.27	121.84	121.82	126.28	131.09	128.59	127.88	134.66
25	136.39	134.29	129.64	127.24	124.56	121.57	122.52	126.76	130.53	128.03	127.53	135.06
26	136.89	133.81	131.21	126.23	123.97	121.36	122.14	126.71	130.65	128.39	127.20	135.70
27	136.98	133.72	134.47	125.99	123.41	120.94	122.11	126.61	130.44	128.08	128.00	136.08
28	137.15	132.75	133.66	126.06	123.36	121.09	122.21	125.74	130.01	127.26	127.52	137.09
29	137.62	132.92	132.20	125.12	123.75	120.59	121.86	125.74	130.37	126.66	127.55	135.53
30	137.35	133.02	132.68	125.00	---	120.64	121.36	125.66	129.28	127.21	127.56	135.42
31	137.69	---	132.58	124.53	---	120.98	---	126.09	---	127.38	128.17	---
MEAN	135.45	137.30	131.02	127.54	123.82	121.51	120.70	125.36	130.37	128.19	127.56	131.74
MAX	137.69	139.93	134.47	131.94	125.02	123.99	122.52	128.43	132.53	129.57	129.21	137.09
MIN	133.11	132.75	127.90	124.53	122.94	120.59	119.03	121.60	125.99	126.56	125.98	127.41

CAL YR 1983 MEAN 128.58 LOW 139.93 HIGH 119.89
WTR YR 1984 MEAN 128.39 LOW 139.93 HIGH 119.03

MCINTOSH COUNTY

313823081154201 Local number, 35M13.

LOCATION--Lat 31°38'23", long 84°15'42", Hydrologic Unit 03060204, 8.5 mi east or U.S. Highway 17 at Harris Neck Wildlife Refuge.

Owner: U.S. Department of the Interior, Fish and Wildlife Service.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 10 in., depth 553 ft, cased to 376 ft, open hole.

DATUM.--Altitude of land-surface is 16.3 ft, National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.20 ft above land-surface datum.

REMARKS.--Well pumped August 3, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 16, 1976.

PERIOD OF RECORD.--September 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.35 ft below land-surface datum, October 4, 1966; lowest, 20.45 ft below land-surface datum, December 19, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.08	17.15	17.42	17.54	17.25	17.38	16.70	16.68	16.70	17.29	17.61	18.06
2	17.17	17.14	17.37	17.46	17.26	17.26	16.68	16.58	16.74	17.33	17.78	18.10
3	17.17	17.09	17.22	17.40	17.09	17.20	16.56	16.46	16.76	17.33	17.88	18.08
4	17.10	17.01	17.21	17.35	16.94	17.15	16.49	16.49	16.72	17.34	17.90	18.08
5	17.07	16.86	17.33	17.28	17.06	17.02	16.52	16.56	16.83	17.38	17.85	18.10
6	17.12	16.97	17.19	16.97	17.30	16.92	16.71	16.61	16.92	17.38	17.79	17.96
7	17.10	17.00	17.61	17.33	17.44	17.03	16.71	16.72	17.01	17.39	17.74	17.98
8	16.98	16.74	17.56	17.46	17.44	17.11	16.65	16.68	17.08	17.41	17.74	17.93
9	16.99	16.79	17.58	17.52	17.42	17.26	16.44	16.68	17.05	17.34	17.76	17.78
10	17.04	16.83	17.61	17.15	17.36	17.19	16.34	16.69	17.00	17.42	17.72	17.87
11	16.91	17.08	17.40	17.26	17.30	17.12	16.33	16.68	17.04	17.44	17.71	17.96
12	17.03	17.13	17.23	17.33	17.18	17.09	16.36	16.64	17.06	17.46	17.83	18.14
13	17.07	17.11	17.31	17.32	16.94	17.01	16.32	16.66	17.02	17.62	17.92	18.24
14	17.24	17.15	17.32	17.28	16.88	17.10	16.26	16.60	17.06	17.64	18.00	18.23
15	17.22	17.13	17.49	17.20	17.00	17.17	16.22	16.54	17.15	17.66	18.02	18.23
16	17.16	17.21	17.66	17.06	17.00	17.06	16.33	16.64	17.17	17.68	18.01	18.14
17	17.17	17.33	17.60	17.04	16.99	16.91	16.48	16.70	17.18	17.66	17.94	18.07
18	17.13	17.27	17.43	16.98	17.02	16.84	16.56	16.68	17.20	17.76	17.84	18.04
19	17.11	17.22	17.31	17.08	17.04	16.84	16.56	16.74	17.26	17.85	17.84	18.00
20	16.99	17.02	17.30	17.15	16.73	16.70	16.65	16.85	17.25	17.76	17.87	17.96
21	16.97	17.23	17.28	17.12	16.73	16.72	16.65	16.86	17.11	17.69	17.90	18.00
22	16.86	17.25	17.34	17.32	16.88	17.01	16.60	16.84	17.04	17.60	17.87	18.12
23	16.76	17.14	17.39	17.26	16.86	17.15	16.46	16.87	17.02	17.72	17.86	18.10
24	16.83	17.06	17.64	17.16	17.20	17.02	16.68	16.80	17.05	17.71	17.96	18.10
25	16.93	17.36	17.68	17.16	17.21	16.86	16.71	16.76	17.05	17.68	17.84	18.07
26	16.84	17.34	17.64	17.21	17.16	16.94	16.79	16.87	17.05	17.60	17.80	18.08
27	16.99	17.19	17.56	17.00	16.86	16.64	16.71	16.87	17.12	17.66	17.80	18.04
28	17.15	17.16	17.42	17.06	17.12	16.36	16.72	16.88	17.16	17.60	17.82	17.78
29	17.28	17.42	17.39	17.08	17.38	16.74	16.70	16.82	17.15	17.60	17.93	18.00
30	17.16	17.50	17.58	17.10	---	16.76	16.68	16.72	17.21	17.48	17.98	17.98
31	17.20	---	17.60	17.03	---	16.70	---	16.71	---	17.50	18.08	---
MEAN	17.06	17.13	17.44	17.21	17.10	16.98	16.55	16.71	17.04	17.55	17.86	18.04
MAX	17.28	17.50	17.68	17.54	17.44	17.38	16.78	16.88	17.26	17.85	18.08	18.24
MIN	16.76	16.74	17.19	16.97	16.73	16.36	16.22	16.46	16.70	17.29	17.61	17.78

CAL YR 1983 MEAN 16.55 LOW 17.68 HIGH 15.30
WTR YR 1984 MEAN 17.22 LOW 18.24 HIGH 16.22

MILLER COUNTY

310651084404501 Local number, 8G1.
LOCATION.--Lat 31°06'51", long 84°40'45", Hydrologic Unit 03130010, 1 mi northeast of Boykin, Ga.
Owner: Jack Fleet.
AQUIFER.--Floridan aquifer system.
WELL CHARACTERISTICS.--Drilled unused irrigation well, diameter 12 in., depth 255 ft, cased to 130 ft, open hole.
DATUM.--Altitude of land-surface is 150 ft, from topographic map.
Measuring point: Top front edge of recorder shelter, 3.0 ft above land-surface datum.
REMARKS.--None.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.18 ft below land-surface datum, April 11, 1984; lowest, 43.88 ft below land-surface datum, July 17, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.90	34.97	22.42	20.72	15.16	15.82	12.98	14.48	21.14	26.12	25.16	25.70
2	33.02	35.03	22.40	20.70	15.23	15.65	13.36	14.60	22.40	26.20	24.25	25.92
3	33.20	35.10	22.44	20.68	15.30	15.58	13.22	14.74	21.80	26.22	22.45	26.53
4	33.34	35.06	22.72	20.68	15.44	15.58	13.00	15.33	22.56	26.22	20.53	26.36
5	33.45	35.18	23.10	20.66	15.65	15.54	12.64	15.76	23.64	26.25	19.68	26.18
6	33.54	35.27	23.28	20.72	15.85	14.43	12.38	15.48	23.57	26.33	19.47	26.26
7	34.47	35.30	22.73	20.90	16.03	13.00	12.32	16.06	24.60	26.43	19.58	26.35
8	34.48	35.38	21.73	21.08	16.17	12.52	12.35	16.70	[illegible]	26.60	19.80	26.40
9	34.01	35.45	20.96	21.20	16.30	12.50	11.90	16.46	26.05	27.70	20.67	26.38
10	33.92	35.50	20.50	21.18	16.44	12.57	11.30	16.50	26.84	28.23	21.34	26.47
11	33.89	35.62	20.20	21.44	16.58	12.68	11.18	17.18	26.74	27.52	20.93	26.62
12	33.93	35.70	19.19	21.72	16.72	12.80	11.26	17.98	25.67	27.47	21.22	27.42
13	34.05	35.73	19.26	21.90	16.70	12.93	11.40	17.46	25.25	27.38	22.00	28.24
14	34.10	35.82	18.60	22.05	16.55	13.10	11.60	17.56	25.43	27.56	22.05	27.70
15	34.02	35.86	18.32	22.18	16.32	13.25	11.78	18.40	26.78	27.67	22.70	27.42
16	34.01	35.96	18.27	22.30	16.08	13.36	11.98	18.81	26.18	27.48	23.94	27.53
17	34.00	36.06	18.28	22.48	15.88	13.50	12.15	19.36	25.64	27.50	23.85	27.72
18	33.99	36.10	18.34	22.63	15.74	13.64	12.32	19.90	26.92	27.33	24.20	27.82
19	34.00	36.12	18.50	22.75	15.72	13.75	12.47	19.45	28.52	26.88	23.94	27.95
20	34.05	36.13	18.70	22.56	15.72	13.85	12.62	19.76	27.43	26.53	23.98	28.17
21	34.10	36.22	18.85	22.30	15.80	14.00	12.78	19.60	27.68	26.35	24.12	28.50
22	34.10	36.22	19.00	21.97	15.87	14.14	12.90	19.47	29.10	26.18	24.23	28.78
23	34.09	35.16	19.17	21.58	16.00	14.26	13.03	19.48	27.96	26.17	24.30	28.82
24	34.20	34.43	19.40	21.18	16.16	14.36	13.22	19.55	27.03	26.17	24.45	28.93
25	34.27	29.13	19.64	20.80	16.28	14.50	13.65	19.65	26.34	26.20	24.62	29.10
26	34.32	24.28	19.76	20.22	16.38	14.63	13.80	19.77	26.03	26.25	24.77	29.28
27	34.54	22.75	19.83	18.78	16.35	14.48	13.78	19.88	26.05	27.15	24.86	29.33
28	34.70	22.57	19.95	16.70	16.24	13.85	13.94	20.10	26.10	28.00	24.97	29.60
29	34.75	22.73	20.25	15.45	16.02	13.25	14.12	20.28	26.04	27.22	25.08	29.48
30	34.82	22.57	20.55	15.11	---	13.03	14.33	20.32	26.03	26.70	25.26	29.58
31	34.87	---	20.68	15.12	---	13.12	---	20.35	---	26.03	25.42	---
MEAN	34.04	33.28	20.23	20.64	15.02	13.86	12.66	18.08	25.69	26.84	23.03	27.68
MAX	34.87	36.22	23.28	22.75	16.72	15.82	14.33	20.35	29.10	28.23	25.42	29.60
MIN	32.90	22.57	18.27	15.11	15.16	12.50	11.18	14.48	21.14	26.03	19.47	25.70

CAL YR 1983 MEAN 23.39 LOW 36.22 HIGH 13.62
WTR YR 1984 MEAN 22.68 LOW 36.22 HIGH 11.18

RANDOLPH COUNTY

314602084473701 Local number, 7N1.

LOCATION.--Lat 31°46'02", long 84°47'37", Hydrologic Unit 03110204, south of intersection of College and Andrew Streets, near electric substation.

Owner: City of Cuthbert.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 8 in., depth 372 ft, casing depth unknown.

DATUM.--Altitude of land-surface is 460 ft, from topographic map.

Measuring point: Floor of recorder shelter, 3.30 ft above land-surface datum.

REMARKS.--Well pumped and sounded June 22, 1978, to a depth of 372 ft; water-quality sample collected at conclusion of pumping. Well near city wells. Water levels for periods of missing recorder record, April 16-29, July 23 to August 7, 12, and August 18 to September 13, were estimated.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 132.0 ft below land-surface datum, December 10, 1967; lowest, 157.07 ft below land-surface datum, June 21, 1984.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151.67	150.93	148.06	151.39	146.26	146.68	145.23	146.67	148.70	154.22	154.03	152.30
2	151.16	151.28	147.86	150.48	146.43	146.16	145.83	146.19	149.16	153.11	154.04	152.47
3	151.97	149.99	147.39	149.34	146.06	146.11	142.81	145.47	149.27	153.08	153.98	152.60
4	151.97	149.52	148.11	148.89	147.60	145.36	143.78	145.82	150.23	152.62	153.92	152.72
5	151.93	149.31	147.73	148.42	147.42	144.55	144.93	145.24	150.69	153.07	153.92	152.83
6	151.68	149.21	149.34	148.28	148.16	142.87	145.38	144.72	151.79	153.13	153.87	152.94
7	151.91	149.04	147.70	147.88	148.24	142.94	145.48	145.41	151.89	152.92	153.86	153.21
8	151.56	149.51	147.55	147.46	147.81	144.49	145.05	145.78	152.35	152.65	153.93	153.62
9	150.70	149.00	147.00	147.72	147.14	145.25	143.82	145.76	152.54	152.83	153.95	153.97
10	150.97	149.50	147.74	145.97	146.85	145.29	143.76	145.75	152.18	151.95	153.95	154.17
11	150.94	149.19	146.63	147.56	146.67	145.34	144.42	146.00	153.72	152.02	153.95	154.23
12	150.68	149.27	148.32	147.74	146.21	145.72	145.04	146.23	153.89	153.11	151.80	154.22
13	150.75	149.05	147.40	147.43	145.94	145.94	145.63	146.83	153.67	153.06	149.66	154.40
14	150.72	149.40	147.65	147.48	145.80	146.08	145.46	146.67	154.17	153.22	150.51	154.78
15	150.59	147.95	147.79	146.33	146.62	145.84	145.02	146.86	154.52	153.72	152.31	155.66
16	150.34	149.25	147.86	147.17	146.27	145.70	145.05	147.33	154.92	152.15	151.65	155.71
17	150.91	150.91	147.90	146.81	146.17	145.74	145.16	148.07	154.90	151.49	152.66	155.20
18	150.81	148.04	146.84	147.05	146.11	145.72	145.31	148.72	156.08	152.14	152.78	154.94
19	150.98	149.92	148.13	147.39	145.72	145.49	145.47	149.06	156.03	153.94	152.90	155.36
20	150.69	148.61	147.92	148.74	145.88	144.53	145.68	148.36	156.43	153.94	153.03	155.04
21	150.64	149.19	147.71	149.28	146.07	145.40	145.85	148.90	157.07	153.94	153.13	155.66
22	150.36	149.80	146.11	148.58	146.46	145.88	145.89	148.60	155.92	153.92	153.24	155.74
23	150.49	148.92	146.43	147.95	146.65	146.05	145.78	148.68	156.07	154.04	153.29	154.28
24	150.14	148.25	148.13	146.44	146.21	145.50	145.88	148.54	155.59	154.20	153.36	155.24
25	150.04	148.38	151.30	146.24	145.88	145.17	146.02	148.67	155.47	154.25	153.47	156.13
26	150.17	148.33	151.95	147.00	145.63	145.53	146.08	148.81	153.75	154.29	153.53	155.22
27	150.11	147.78	153.52	147.00	145.93	144.95	146.07	148.00	156.51	154.28	153.41	154.64
28	150.14	147.98	152.29	147.00	145.60	144.69	146.17	148.03	155.74	154.26	153.09	154.71
29	150.09	148.25	150.91	146.29	146.90	145.81	146.31	149.09	155.00	154.28	152.79	154.03
30	150.02	148.19	152.87	145.35	---	145.74	146.36	148.41	154.73	154.21	152.46	154.15
31	150.12	---	152.93	146.17	---	145.49	---	148.61	---	154.07	152.27	---
MEAN	150.81	149.13	148.68	147.64	146.51	145.36	145.29	147.27	153.77	153.36	153.06	154.34
MAX	151.97	151.28	153.52	151.39	148.24	146.68	146.36	149.09	157.07	154.29	154.04	156.13
MIN	150.02	147.78	146.11	145.35	145.60	142.87	142.81	144.72	148.70	151.49	149.66	152.30

CAL YR 1983 MEAN 148.94 LOW 156.26 HIGH 143.44
WTR YR 1984 MEAN 149.61 LOW 157.07 HIGH 142.81

SPALDING COUNTY

331507084171801 Local number, 11AA1.

LOCATION--Lat 33°15'07", long 84°17'18", Hydrologic Unit 03070103, University of Georgia Experiment Station, Experiment, Ga.
Owner: University of Georgia.

AQUIFER.--Residuum.

WELL CHARACTERISTICS.--Dug unused water-table well, size 4 x 4 ft, depth 30 ft, open hole.

DATUM.--Altitude of land-surface is 960 ft, from topographic map.
Measuring point: Hole in floor of recorder shelter, 3.1 ft above land-surface datum.

REMARKS.-Water levels for period of missing recorder record, June 30 to August 26, were estimated.

PERIOD OF RECORD.--October 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.26 ft below land-surface datum, March 19, 1948; lowest, 21.78 ft below land-surface datum, December 13, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.27	19.10	17.64	14.19	12.79	12.11	11.81	12.47	13.00	14.93	15.16	15.14
2	18.31	19.12	17.49	14.11	12.79	12.04	11.79	12.41	13.04	15.03	14.91	15.20
3	18.33	19.13	17.24	14.06	12.69	12.07	11.71	12.32	13.07	15.11	14.67	15.24
4	18.35	19.14	16.92	14.01	12.68	12.05	11.60	12.21	13.13	15.22	14.48	15.32
5	18.38	19.18	16.61	13.97	12.72	11.96	11.70	12.14	13.22	15.31	14.35	15.41
6	18.44	19.22	16.25	13.97	12.90	11.90	11.76	12.05	13.28	15.41	14.25	15.49
7	18.48	19.25	16.04	14.09	12.98	11.95	11.84	12.04	13.33	15.45	14.17	15.57
8	18.52	19.28	15.79	14.15	12.99	11.87	11.85	12.00	13.38	15.57	14.12	15.63
9	18.55	19.29	15.63	14.17	12.96	11.90	11.78	12.02	13.43	15.67	14.10	15.66
10	18.59	19.29	15.52	13.98	12.96	11.86	11.77	12.03	13.50	15.77	14.08	15.71
11	18.60	19.35	15.25	14.01	12.98	11.85	11.76	12.06	13.56	15.87	14.06	15.80
12	18.62	19.39	15.03	13.99	12.98	11.86	11.75	12.09	13.63	15.95	14.08	15.88
13	18.66	19.41	14.84	13.89	12.86	11.86	11.74	12.12	13.69	16.04	14.11	15.95
14	18.70	19.43	14.65	13.82	12.70	11.96	11.74	12.14	13.74	16.09	14.14	15.99
15	18.71	19.39	14.66	13.76	12.58	11.97	11.75	12.22	13.82	16.15	14.17	16.05
16	18.72	19.34	14.66	13.70	12.45	11.96	11.78	12.29	13.90	16.20	14.18	16.16
17	18.74	19.27	14.58	13.74	12.41	11.98	11.85	12.37	13.95	16.17	14.19	16.22
18	18.75	19.21	14.50	13.64	12.36	11.99	11.96	12.40	14.00	16.03	14.21	16.25
19	18.78	19.14	14.44	13.54	12.34	12.01	12.01	12.39	14.07	15.88	14.26	16.29
20	18.80	19.04	14.47	13.41	12.34	11.96	12.05	12.43	14.14	15.75	14.34	16.33
21	18.83	19.01	14.46	13.31	12.34	12.00	12.07	12.53	14.21	15.71	14.46	16.40
22	18.84	18.93	14.39	13.25	12.37	12.07	12.03	12.59	14.27	15.73	14.49	16.50
23	18.82	18.79	14.40	13.13	12.37	12.08	12.01	12.60	14.35	15.79	14.49	16.56
24	18.87	18.66	14.45	13.01	12.42	12.02	12.13	12.65	14.41	15.87	14.59	16.59
25	18.92	18.55	14.49	13.01	12.52	11.89	12.22	12.68	14.48	15.98	14.70	16.64
26	18.93	18.38	14.50	13.01	12.54	11.87	12.26	12.74	14.55	15.99	14.78	16.70
27	18.97	18.19	14.48	12.90	12.24	11.75	12.30	12.79	14.62	15.83	14.83	16.78
28	19.01	18.01	14.38	12.84	12.14	11.56	12.37	12.83	14.71	15.86	14.89	16.81
29	19.02	17.90	14.40	12.79	12.16	11.77	12.39	12.86	14.74	15.84	14.96	16.88
30	19.05	17.78	14.41	12.76	---	11.87	12.40	12.91	14.83	15.72	15.00	16.93
31	19.08	---	14.29	12.81	---	11.85	---	12.95	---	15.41	15.05	---
MEAN	18.70	18.97	15.19	13.58	12.61	11.93	11.94	12.40	13.87	15.72	14.46	16.07
MAX	19.08	19.43	17.64	14.19	12.99	12.11	12.40	12.95	14.83	16.20	15.16	16.93
MIN	18.27	17.78	14.29	12.76	12.14	11.56	11.60	12.00	13.00	14.93	14.06	15.14

CAL YR 1983 MEAN 15.12 LOW 19.43 HIGH 9.43
WTR YR 1984 MEAN 14.62 LOW 19.43 HIGH 11.56

WAYNE COUNTY

313055081521901 Local number, 31L1.

LOCATION.--Lat 31°30'55", long 81°52'19", Hydrologic Unit 03070106, about 6 mi south of Jesup near Penholoway Creek on Walker Creek.

Owner: Brunswick Pulp and Paper, Justice Mears 2.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused oil test well, diameter 6 in., depth 691 ft, open hole.

DATUM.--Altitude of land-surface is 55 ft, from topographic map.

Measuring point: Top of 6 in. casing at land-surface datum.

REMARKS.--Well pumped and water quality sampled, August 2, 1978.

PERIOD OF RECORD.--February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.30 ft below land-surface datum, December 16, 1977; lowest, 29.23 ft below land-surface datum, June 29, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.38	23.76	24.25	20.80	22.53	22.65	21.40	21.66	22.53	23.37	23.87	23.90
2	22.41	23.75	24.16	20.31	22.62	22.62	21.52	21.62	22.58	23.42	23.91	23.94
3	22.46	23.72	24.01	20.59	22.52	22.69	21.41	21.46	22.58	23.45	23.88	23.52
4	22.43	23.59	23.92	20.80	22.43	22.77	21.34	21.44	22.63	23.47	23.82	22.70
5	22.40	23.57	23.94	20.80	22.48	22.68	21.38	21.61	22.76	23.50	23.78	21.98
6	22.45	23.62	23.82	20.83	22.63	22.48	21.52	21.67	22.86	23.48	23.80	21.48
7	22.52	23.63	24.02	21.08	22.86	22.58	21.55	21.60	22.91	23.47	23.86	21.08
8	22.50	23.56	24.14	21.37	22.96	22.67	21.64	21.48	23.00	23.54	23.86	20.66
9	22.51	23.52	24.21	21.49	22.96	22.66	21.54	21.57	22.95	23.65	23.82	20.16
10	22.44	23.43	24.19	21.26	22.91	22.67	21.58	21.66	23.00	23.72	23.83	19.70
11	22.40	23.49	23.94	21.54	22.88	22.62	21.46	21.78	23.12	23.66	23.80	19.44
12	22.27	23.59	23.75	21.98	22.83	22.25	21.74	21.72	23.16	23.55	23.87	19.26
13	22.28	23.59	23.71	22.19	22.72	21.44	21.64	21.75	23.14	23.70	24.01	19.50
14	22.39	23.70	23.52	22.30	22.67	20.73	21.57	21.76	23.07	23.74	24.00	20.02
15	22.27	23.67	23.72	22.31	22.73	20.15	21.51	21.84	23.12	23.78	24.04	20.58
16	22.19	23.75	23.87	22.27	22.70	19.55	21.54	21.95	23.14	23.83	24.00	21.08
17	22.26	23.89	23.90	22.35	22.65	19.05	21.64	22.08	23.12	23.74	23.94	21.48
18	22.41	23.95	23.83	22.34	22.62	18.62	21.78	22.09	23.08	23.74	23.76	21.78
19	22.06	23.89	23.76	22.44	22.61	18.29	21.88	22.06	23.12	23.78	23.65	22.04
20	22.77	23.69	23.85	22.55	22.59	18.53	21.80	22.09	23.12	23.80	23.68	22.19
21	22.64	23.86	23.85	22.64	22.60	19.10	21.78	22.16	23.16	23.78	23.81	22.45
22	22.94	23.95	23.73	22.74	22.55	19.69	21.62	22.26	23.18	23.80	23.88	22.75
23	22.91	23.89	23.29	22.73	22.52	20.08	21.42	22.30	23.14	23.86	23.84	22.92
24	23.05	23.76	22.59	22.61	22.57	20.29	21.30	22.35	23.15	23.95	23.84	23.02
25	23.19	23.97	22.04	22.53	22.64	20.37	21.34	22.40	23.13	23.94	24.00	23.07
26	23.28	24.18	21.56	22.48	22.74	20.55	21.50	22.46	23.20	24.00	24.10	23.11
27	23.44	24.09	21.01	22.27	22.54	20.61	21.53	22.49	23.26	23.96	24.06	23.22
28	23.60	23.99	20.36	22.30	22.48	20.45	21.51	22.52	23.32	23.99	23.99	23.17
29	23.65	24.14	19.95	22.39	22.60	20.70	21.58	22.49	23.28	23.95	23.96	23.16
30	23.71	24.24	20.01	22.37	---	21.08	21.59	22.42	23.29	23.85	23.96	23.22
31	23.74	---	20.00	22.44	---	21.26	---	22.48	---	23.82	23.88	---
MEAN	22.71	23.78	23.13	21.91	22.66	21.03	21.56	21.97	23.04	23.72	23.89	21.89
MAX	23.74	24.24	24.25	22.74	22.96	22.77	21.88	22.52	23.32	24.00	24.10	23.94
MIN	22.06	23.43	19.95	20.31	22.43	18.29	21.30	21.44	22.53	23.37	23.65	19.26

CAL YR 1983 MEAN 22.06 LOW 24.25 HIGH 17.25
WTR YR 1984 MEAN 22.61 LOW 24.25 HIGH 18.29

WAYNE COUNTY

313701081543501 Local number, 30L3.

LOCATION--Lat 31°37'01", long 81°54'35", Hydrologic Unit 03070106, about 0.5 mi west of Jesup city limits near intersection of Highway 341 and Sunset Drive.

Owner: Homer Johnson.

AQUIFER.--Floridan aquifer system.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in., depth 584 ft, cased to 472 ft, open hole.

DATUM.--Altitude of land-surface is 107 ft, from topographic map.

Measuring point: Floor of shelter, 2.88 ft above land-surface datum.

REMARKS.--Borehole geophysical survy conducted August 19, 1963. Water levels for period of missing recorder record, April 27 to May 9, were estimated.

PERIOD OF RECORD.--January 1964 to March 1967. February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 59.98 ft below land-surface datum, April 19, 1964; lowest, 85.27 ft below land-surface datum, June 29, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.04	78.93	79.59	73.84	77.62	77.85	76.74	76.92	78.02	78.65	79.24	79.07
2	77.11	79.04	79.50	74.32	77.86	77.84	76.91	76.94	78.07	78.64	79.26	79.04
3	77.14	79.05	79.38	74.92	77.95	77.98	76.82	76.97	78.09	78.72	79.24	78.26
4	77.14	78.90	79.23	75.28	77.82	78.16	76.73	76.99	78.13	78.85	79.12	76.87
5	77.11	78.80	79.15	75.30	77.74	78.19	76.90	77.02	78.20	78.87	79.01	75.81
6	77.14	78.80	79.04	75.37	77.88	78.05	76.97	77.04	78.28	78.84	79.07	75.09
7	77.14	78.85	79.26	75.58	78.07	78.02	76.95	77.07	78.38	78.84	79.16	74.50
8	77.14	78.79	79.45	75.87	78.20	78.08	77.06	77.09	78.40	78.96	79.18	73.99
9	77.16	78.76	79.53	75.97	78.21	78.07	77.06	77.12	78.36	79.10	79.15	73.44
10	77.13	78.67	79.51	75.90	78.18	78.09	77.18	77.14	78.39	79.08	79.09	72.96
11	77.01	78.66	79.28	76.37	78.18	78.03	77.35	77.20	78.49	78.90	79.14	72.63
12	76.89	78.77	79.04	76.95	78.16	77.22	77.36	77.12	78.60	78.84	79.22	72.48
13	76.88	78.85	79.04	77.23	78.06	75.73	77.23	77.16	78.53	78.98	79.36	73.01
14	77.02	78.95	78.57	77.34	77.91	74.63	77.08	77.24	78.44	79.06	79.41	74.00
15	76.70	79.03	78.78	77.33	77.91	73.88	77.06	77.37	78.45	79.13	79.40	74.96
16	76.63	79.03	78.96	77.33	77.82	73.13	77.12	77.51	78.44	79.21	79.44	75.66
17	76.87	79.17	79.01	77.41	77.75	72.46	77.26	77.58	78.46	79.19	79.27	76.18
18	77.24	79.24	78.97	77.46	77.77	71.91	77.40	77.57	78.49	79.13	78.98	76.60
19	77.85	79.19	78.89	77.54	77.84	71.65	77.52	77.60	78.45	79.11	78.84	76.97
20	77.81	79.08	78.99	77.64	77.87	72.31	77.45	77.68	78.42	79.13	78.88	77.20
21	77.91	79.16	79.05	77.74	77.88	73.40	77.28	77.82	78.50	79.18	79.02	77.57
22	78.05	79.30	78.90	77.87	77.82	74.31	77.04	77.97	78.52	79.22	79.12	77.90
23	78.15	79.25	78.03	77.95	77.73	74.83	76.65	78.00	78.44	79.29	79.12	78.04
24	78.25	79.14	76.77	77.88	77.77	75.07	76.30	77.96	78.40	79.37	79.20	78.20
25	78.38	79.33	75.91	77.73	77.95	75.25	76.52	78.03	78.49	79.42	79.36	78.23
26	78.49	79.59	75.31	77.61	78.10	75.54	76.80	78.09	78.60	79.46	79.42	78.23
27	78.66	79.60	75.00	77.41	77.98	75.77	76.82	78.10	78.64	79.41	79.38	78.35
28	78.86	79.50	74.26	77.42	77.78	75.68	76.85	78.08	78.68	79.42	79.26	78.36
29	78.94	79.55	73.49	77.56	77.79	75.87	76.87	78.06	78.67	79.40	79.14	78.30
30	78.94	79.65	73.47	77.52	---	76.31	76.90	77.99	78.64	79.30	79.13	78.35
31	78.97	---	73.59	77.49	---	76.56	---	77.97	---	79.22	79.10	---
MEAN	77.60	79.09	77.97	76.75	77.92	75.80	77.01	77.50	78.42	79.09	79.18	76.34
MAX	78.97	79.65	79.59	77.95	78.21	78.19	77.52	78.10	78.68	79.46	79.44	79.07
MIN	76.63	78.66	73.47	73.84	77.62	71.65	76.30	76.92	78.02	78.64	78.84	72.48

CAL YR 1983 MEAN 77.07 LOW 79.65 HIGH 70.80
WTR YR 1984 MEAN 77.72 LOW 79.65 HIGH 71.65

313146083491601 Local number, 15L20.
LOCATION.--Lat 31°31'46", long 83°49'16", Hydrologic Unit 03110204, near water tank, behind VFW on U.S. Highway 82 east, Sylvester, Ga.
Owner: City of Sylvester.
AQUIFER.--Floridan aquifer system.
WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 18 in., depth 450 ft, cased to 212 ft, open hole.
DATUM.--Altitude of land-surface is 433 ft, from topographic map.
Measuring point: Floor of recorder shelter, 2.90 ft above land-surface datum.
REMARKS.--Well pumped and sounded July 19, 1978. Borehole geophysical survy conducted June 5, 1975. Water levels for period of missing recorder record, July 5 to September 5, were estimated.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 191.50 ft below land-surface datum, May 17, 1973; lowest, 201.59 ft below land-surface datum, July 31, 1981.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199.02	199.33	199.02	199.37	198.62	198.13	197.56	197.46	197.47	200.06	199.09	198.69
2	199.02	199.32	198.96	199.29	198.63	198.08	197.61	197.33	197.46	200.17	199.12	198.64
3	198.99	199.23	198.73	199.17	198.39	198.08	197.42	197.08	197.40	200.15	199.13	198.61
4	198.92	199.06	198.71	199.05	198.16	198.06	197.17	197.09	198.02	200.10	199.02	198.67
5	198.89	199.06	198.79	198.85	198.20	197.84	197.22	197.25	198.88	200.05	198.93	198.64
6	198.94	199.12	198.66	198.77	198.44	197.59	197.30	197.32	198.96	200.08	198.91	198.69
7	199.00	199.09	198.94	198.85	198.55	197.87	197.40	197.39	199.03	200.19	198.92	198.74
8	199.03	199.04	198.97	199.02	198.75	198.02	197.39	197.34	199.08	200.23	198.94	198.73
9	199.04	198.96	199.02	199.00	198.68	198.02	197.18	197.37	199.11	200.32	199.01	198.57
10	199.02	198.81	199.00	198.62	198.60	198.01	197.20	197.39	199.16	200.41	199.07	198.45
11	198.95	198.88	198.75	198.72	198.52	197.94	197.27	197.41	199.20	200.55	198.96	198.47
12	198.87	198.97	198.56	198.96	198.40	197.88	197.25	197.43	199.26	200.40	198.79	198.50
13	198.86	198.94	198.58	199.02	198.22	197.79	197.18	197.42	199.33	200.38	198.78	198.52
14	199.03	198.93	198.43	199.00	198.21	197.90	197.14	197.38	199.33	200.25	198.82	198.49
15	199.05	198.86	198.68	198.92	198.31	197.96	197.09	197.38	199.41	199.99	198.88	198.45
16	199.05	198.95	198.93	198.77	198.30	197.88	197.06	197.43	199.58	199.88	198.89	198.55
17	199.03	199.06	198.99	198.78	198.28	197.79	197.10	197.53	199.73	199.80	198.88	198.68
18	198.98	199.09	198.90	198.66	198.25	197.72	197.22	197.58	199.80	199.72	198.85	198.66
19	198.97	199.01	198.79	198.75	198.19	197.64	197.32	197.51	199.91	199.69	198.71	198.58
20	198.97	198.75	198.83	198.89	198.11	197.42	197.33	197.44	200.00	199.55	198.71	198.51
21	199.00	198.95	198.87	198.97	198.04	197.45	197.32	197.47	200.09	199.43	198.79	198.52
22	198.97	199.03	198.73	199.06	197.99	197.60	197.22	197.56	200.06	199.28	198.79	198.66
23	198.76	198.89	198.71	198.92	197.95	197.66	197.00	197.57	200.05	199.36	198.67	198.76
24	198.79	198.62	198.77	198.58	197.99	197.59	197.14	197.53	200.04	199.40	198.64	198.74
25	198.86	198.91	198.99	198.56	198.03	197.41	197.27	197.57	199.97	199.43	198.65	198.69
26	198.90	198.99	199.00	198.57	198.02	197.44	197.29	197.60	199.94	199.46	198.61	198.67
27	199.03	198.83	198.96	198.37	197.63	197.28	197.30	197.58	199.95	199.49	198.59	198.67
28	199.24	198.68	198.72	198.40	197.76	196.89	197.37	197.57	200.01	199.43	198.64	198.61
29	199.25	198.86	198.82	198.41	198.01	197.05	197.42	197.49	199.98	199.22	198.67	198.63
30	199.25	198.98	199.22	198.43	---	197.40	197.46	197.45	199.96	199.14	198.67	198.67
31	199.31	---	199.39	198.56	---	197.52	---	197.47	---	199.07	198.69	---
MEAN	199.00	198.97	198.85	198.82	198.25	197.71	197.27	197.43	199.34	199.83	198.83	198.62
MAX	199.31	199.33	199.39	199.37	198.75	198.13	197.61	197.60	200.09	200.55	199.13	198.76
MIN	198.76	198.62	198.43	198.37	197.63	196.89	197.00	197.08	197.40	199.07	198.59	198.45

CAL YR 1983 MEAN 198.30 LOW 199.39 HIGH 196.80
WTR YR 1984 MEAN 198.58 LOW 200.55 HIGH 196.89

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons